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Loxen Gandson

December 1994

Volume 65, No. 12

Industry Directory Listings! • Year End Article Index! Norm & Bill's Excellent Adventure! • Bolt Bashing! . . . and much more.

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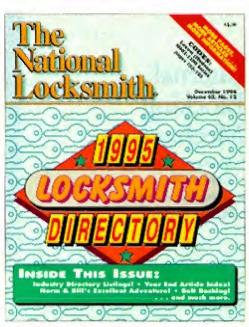




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#### On The Cover

This month's issue brings a comprehensive guide to companies in the locksmith industry. This is certainly an issue you will want to save for reference all during 1995.

Click on the article you wish to read

# COMMENTARY

Locksmith tools for sale to the public? Complain toll-free!

Remember that next month brings an important opportunity to you. That's because in next month's issue, you will find a ballot for *The National Locksmith's* TOP 100. You'll use that ballot to vote for your favorite locksmith products. Here's your chance to make your opinion count. Be sure to vote!



Marc Goldberg Editor/Publisher

Keep your eyes on this magazine for hot automotive articles, service procedures and opening techniques for new model vehicles. We have a great deal of information planned for you right here in the pages of this magazine.

Here's something good for a laugh. If you read the October issue of another magazine, you might have noticed one of their "experts" blasting us for printing incorrect Ford 10 cut information in our August issue. While it is true our information in August was not correct, we corrected the article and reprinted it properly in our October issue.

The so-called "expert" failed to mention that fact. Furthermore, he went on to present what he proclaimed to be the real story on Ford. In so doing he made numerous errors of his own. If you follow his procedure, you won't be able to make a Ford ignition key. For the proper procedure, see our October issue, page 98.



Frequently I receive copies of ads and catalogs sent in by our readers. Usually when I look at these ads my blood begins to boil. What you see in print are various locksmith tools being offered to the public.

Maybe you can make a case for the Police having a right to these tools, though most all locksmiths would dispute that fact. But certainly there is no case to be made for just plain folks being able to buy pick guns. Locksmith Bryan Miltimore sent me a copy of a catalog called The Edge Company. This catalog sells knives, tools and gifts. They also happen to sell a pickgun and a picking book. Even more offensive is that these products include an "application to join the Locksmithing Association."

Now I don't know which association they might be talking about here. But is that all it takes now to become a locksmith?? All you need is a pick gun from a catalog to be considered a locksmith?

I was under the impression that ALOA had sponsored and passed a law making the delivery of these tools to a non-locksmith illegal. But clearly, despite ALOA's best efforts, there is no enforcement of this law.

Now is the time for locksmith licensing folks. Unless we are ready to be licensed ourselves as legitimate locksmiths, we are going to have to put up with this disrespect of our profession. All I can suggest is that you get on the bandwagon with your local chapter of ALOA or your local association and work to get our profession recognized and keep our tools out of the hands of any yahoo with fifty bucks in his pocket.

Also, I think it might be a good idea to drop a line to The Edge Company and tell them how you feel about them selling pickguns to just anyone. Heck you can even call them toll-free to complain. Here's their number: (800) 732-9976. You can call 24 hours a day, seven days a week according to their order form. Their address is P.O. Box 826, Brattleboro, VT 05302.

Why not call or write The Edge Company right now and tell them why you will not ever be buying anything from them? Why not tell them that until they discontinue all locksmith tools, you will tell everyone you know not to purchase from their company. Let's see what they have to say then.

Man Goldburg

# LETTERS

#### Comments, Suggestions and Criticisms

The National Locksmith is interested in your view. We do reserve the right to edit for clerity and length. Please address your comments, praise, or criticism to Editor. The National Locksmith, 1533 Surgundy Parlaway, Streamwood, IL 60107. All letters to the editor must be signed.

#### Let's Solve A Murder

Dear Marc:

I am currently working on a homicide with the victim being unidentified. The only item found on the body was a key, of which a picture is enclosed. (See the photograph below.) The body was found in Benton Township, Berrien County, Michigan. This is located in the Southwest corner of the State, near I-94 and I-196. It is my belief that the victim is not from this area.



I have checked with local locksmiths and none can remember making a key such as this. It is my understanding the key is a common one to a Dexter lock, however there are post manufacturing stamps of "D" and "CUSTOM" on this particular key.

I was wondering if you could put the enclosed picture and a short article in your magazine with the possibility of someone identifying this key. I realize the chances of someone recognizing this key are slim, but we don't have much to go on and this may at least give us the area of origin of the victim. I appreciate any help you can be to me.

Anyone with information can contact Detective Sgt. Tom Street or Detective Jim Coburn at 616-926-8221 or 616-925-1135. Thank you.

> Tom Street, Det. Sgt. Michigan

#### Is the NLAA a Gimmick?

Dear Marc:

Are you out of your mind? I just can't believe what you are doing in the name of locksmithing. Now to get up to date information on automotive locksmithing I need to join NLAA. I thought that was the reason that I subscribed to *The National Locksmith*! I just renewed my subscription for two years for \$59. Now you want me to send you \$125 for a membership in NLAA to get that information. That's ridiculous!

I have been and will continue to be a professional locksmith, which is more than I can say for some. But let me say this, I believe in paying for up to date information. To pay for that information twice is not a sound business practice.

What does the NLAA want from us as locksmiths? It seems MONEY, MONEY, MONEY! Now as I look at this magazine I see an organization that is only interested in money. Why did I renew for two and now need to pay for two more? I just think that is asking a little much with all the other things we have to put up with. That is why I subscribed in the first place. Why does everything have to have a price tag?

What organization will be next? NL???? It makes me wonder. How much will it be the next time? Why even offer subscriptions? Offer just the NLAA, NSO. At least that will cut down on the many pages of advertising that we are paying for. Maybe you are in the wrong business, or maybe you're not; it looks to me

like you are already in the advertising business. Sometimes it's hard for me to tell.

I guess it must be hard to keep coming up with new ideas. Stop and take a look at what is going on with these ideas. You sit at your desk for work, we are the ones that run the calls. And I'm not saying that we don't benefit, but it sure does look like the NLAA is getting the best of both worlds. However, there are no real obstacles for a PROFESSIONAL LOCKSMITH such as I.

Stephen P. Walker Virginia

Editor's Note:

Stephen, I am always glad to hear from a reader with an opinion, even when that opinion is different than my own. Let me answer your comments here.

The National Locksmith magazine has always contained a great deal of information about automotive locksmithing. In fact, The National Locksmith magazine will always contain the latest and the best information available. We aren't holding back at all to try and force you to join the NLAA.

This year, we have done more than ever before in our history to increase the amount of automotive editorial in the magazine. For example, we were first to bring you the GM MATS column procedure, first to expose the new 1994 and 1995 GM 10-Cut column service, and first to bring you ways to successfully make keys for the dreaded Alpha Technologies ignition. Plus we have printed more car codes this year than ever! A trend we plan to continue.

Added to our staff this year are two new automotive locksmithing experts, Michael Hyde and Tom Mazzone. Michael is an accomplished domestic and foreign specialist with capabilities and knowledge he is happy to share. Tom Mazzone is a locksmith and 23 year veteran GM Master Mechanic.

Through their experience and contacts we have the inside track on automotive changes that effect the locksmith.

In other words, Stephen, each month your magazine has as much automotive material as we can possibly print. And, as you know, The National Locksmith also must cover a variety of other locksmith subjects. Because of that, we have way more details and information about cars than we can ever publish in the magazine. So, instead of hoarding this information behind closed doors, we are simply making it available to those locksmiths who want it through the NLAA.

Trust me, whether you choose to join the NLAA or not, you will still be getting even more automotive locksmithing information from us than ever before.

Regarding the amount of advertising in the magazine; all magazines contain advertising. Believe it or not, the sum you pay for your subscription does not cover all the costs involved. Advertising makes up the difference. However, starting at the beginning of this year, we substantially increased the number of editorial pages each month. Now you get more pages, more articles, more

codes....and more value. Thanks for being in touch with us Stephen.

#### **NLAA**, About Time!

Dear Marc:

Congratulations. You have come up with an idea that I have felt the need for during the last few years. Since about 1985 the automobile industry has gone berserk with innovation after innovation. It's as though they are thrashing about for some sort of lock and key system that they can settle on, but can't seem to find it. The result of this is that we who do vehicle locksmithing have been pushed to our limits just to keep up in a minimal way. As I see it, we have just not been able to keep up with the rapid changes that have taken place. We need lots of help, and I for one, look to the locksmith publications as the main source of assistance. Workshops are also helpful, but they come only occasionally, whereas the magazine comes each month.

I don't do safe work, so all the articles on safes are of no help to me.

How many locksmiths are there in the country whose main thrust is vehicle lock work? Has anyone even bothered to find out? You are the first one of the locksmith publications to focus on this problem, and I think you have a winner here.

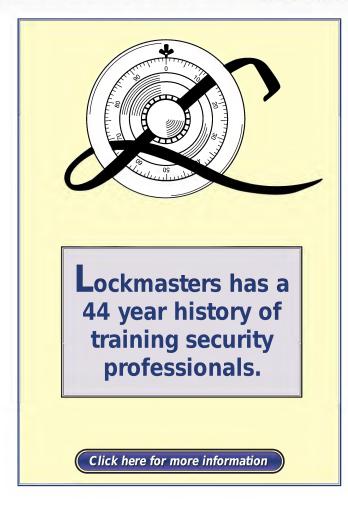
Frankly, I don't care for all the "trappings" you have included in your idea, but the basic concept is timely.

Here's something for you to ponder:

What I would like to see is a central source of information about vehicle locksmithing whereby a locksmith could call in and receive by fax an immediate reply concerning how to work on a particular make, model, and year of a vehicle.

For instance; say I have a 1992 Chevy Cavalier coming into my shop to make first keys for. Frankly, I am tired of spending night after night attempting to assemble a library of information that I hope will keep me ready for any vehicle that might come in, because the vehicle that might come in tomorrow will be one that I don't happen to have information on.

Why should all the locksmiths in the country attempt to maintain there own meager library? It would be neat to be able to pick up the phone and call somewhere and ask someone to





fax me a sheet on the 1992 Chevy Cavalier, or whatever other vehicle that might come in.

> Dana Prouty Massachusetts

Editor's Note:

We're glad you like the concept of the NLAA, Dana. We, too, feel many locksmiths will benefit from access to more information in the world of automotive locksmithing. Things have been advancing so quickly that for many locksmiths, it has been difficult to keep up. That is what the National Locksmith Automobile Association is for.

Between the many technical bulletins and the newsletter, members will be receiving a ton of helpful information from the NLAA. Also, you mentioned being able to call in for help. While we cannot offer a 24-hour a day service as some have requested, the NLAA does offer a Car & Code Hotline.

During its operating hours, members may call the hotline for quick access to codes, service procedures and so forth. Thanks for expressing your opinion. We look forward to continuing to serve you through The National Locksmith, as well as helping your business prosper through the NLAA.

#### **Comments On SAVTA**

Dear Marc:

Since its inception, SAVTA has offered subscriptions to its magazine at rates less than for full membership.

Has this policy changed? SAVTA's letter of August 22nd was accompanied by a bill that is double last year's rate.

I would like to continue to receive the SAVTA magazine, as I enjoy it. I do some safe work, but I am physically limited from providing the gamut of services. I have been trained by Lockmasters.

Is the new price of their magazine an attempt to discriminate between mere subscribers and members?

Richard Formica Florida

#### **SAVTA Response**

Dear Marc:

SAVTA continues to offer subscriptions to Safe & Vault Technician at less than the full membership rate. The current "full membership" rate is \$125 per year and is being increased to \$175, as of 1 January, 1995.

The increase in the subscription rate occurred in October 1993 and more closely reflects the actual costs of producing such a high quality, technically specific trade journal. The monthly print run of S&VT is 2,500 copies and that is reflected in the cost per copy. In the past, membership of SAVTA and Lockmasters were subsidizing some of the costs of subscribers.

When we took over the operation of SAVTA, the board felt that it was not fair to the membership, who supports the association in many ways, to also have to pay part of the costs of sending magazines to non-members. We, therefore, calculated the costs of the magazine with small profit adder and priced the subscription price accordingly. Since those costs have not risen this year we have elected to keep the subscription rate the same next year even though it was necessary to increase the dues.

We are trying very hard to increase the membership of the association which will lower the cost per individual and then we will be able to lower the rates charged. Mr. Formica, of course, recognizes the quality and information offered by S&VT magazine and its contribution to his very successful business and I hope he will bear with us through this period. Or better yet become a "full member" and enjoy all the benefits of membership.

Henry H. Printz, CML President, SAVTA

#### Reader Suggests Locksmith Program

Dear Marc:

This letter is sent to you in response to the interview in the September 1994 issue with Vice-President James Donegan, Master Lock Co. It is an excellent interview, my compliments to him.

We as locksmiths have had to compete with the large discount chains over the years, losing business in lock and key sales. This is not only hurting us, but our wholesalers. Most of us are small operations, unable to spend large amounts of money on advertising. I'm sure most of the locksmith's will agree with me that the public, in general, is ignorant about the services we provide. We all see it everyday.

If we as locksmiths do not do something about our sales and wholesales we will continue to decline.

I would like to propose the following idea. Let's have our wholesalers charge us a 10 percent advertising tax on our supplies that we purchase, to be used for nationwide educational television commercials to be aired on NBC, CBS, ABC, etc. Now, I know there will be someone not wanting to pay the 10 percent that's fine, but you're not going to get a free ride.

As a rallying point we need a nationwide slogan. I propose the following, "Consult with your family locksmith." I picked this phrase because it's short, simple and very personal. We would then request this as our trademark, to be used on stationary, business cards, advertising and etc. Commercials would inform the public to look for locksmiths that display this trademark. Those involved with this program would be the only ones allowed to use it.

Now, who's going to do this? I would like to see *The National Locksmith* magazine take charge. The wholesalers would send a monthly check to *The National Locksmith* magazine with a notarized statement from their accountant.

Who benefits? Everybody, wholesalers receive more orders, locksmiths gain more customers and can deduct this advertising expense from their income tax. *The National Locksmith* sells more advertising to the manufacturers and the locksmithing industry now receives nationwide recognition, which is long overdue.

I am well aware there are a lot of problems to overcome, but it is a start. Mark Hawkins Ohio

#### Not Satisfied With Alpha Tech Procedure

Dear Marc:

I just received the September 1994 issue of *The National Locksmith* and I am in either the state of frustration or the state of humor over Dale Libby's article on, "In Search of 'Alpha Wreckers'." He needs to look no further than his article on wrecking this lock.

Just because you work on Mercedes or anything else doesn't make you qualified. Ask yourself the question, "Why are there so many different ways to do the keys on the Alpha lock?" The answer: Because none of them work, and I'll tell you why.

- The tolerances vary from lock to lock and as it wears down.
- The way the tumblers are made. Some of the tumblers have what I will call a ridge.

If you impression, use a try out key, or progression, these ridges will bend or break, so now you have tumbler(s) inside of your lock not lining up with the shear line, or if you broke them and they are in line with the shear line and the sidebar will not drop.

The sidebar if pressure is put on it, can easily break, while trying to impression. Remember, impressioning is binding the tumblers in the housing. These tumblers will break! So what is the best method?

Total Disassembly.

Tom Seroogy wrote an article in your publication in October 1992. It explains how to disassemble the lock. Once you get the cylinder out and see the tumblers at their real height you can cut a proper key without any damage.

Shortcuts are not always the best way.

Sometimes the right way is the hard way and the long way.

Tom Tusing Florida

Editor's Note:

I'm going to let Tom Seroogy, Managing Editor, field this one, Tom.

Tom:

You're right in saying that sometimes the right way is the hard and long way. Too often we try to short-cut methods for the sake of expediency and cost only to find we've sacrificed quality and security.

While I truly appreciate the reference to the article I wrote on servicing the Alpha Tech ignition, there isn't any reason not to consider other methods developed since then. This article was written as a "last resort" for locksmiths working on this lock. In reality and in its truest sense, the Alpha Tech ignition is not a serviceable lock (it is not meant to be disassembled, parts are not available, etc.) and at that time, no other tools or procedures existed.

With the exception of the H.E. Mitchell tool, who has other proven products, I have used the tools that Dale mentions in his article, all with varying degrees of success.

While I have had the least success with the tryout keys, they are still a good measure for making a first key.

While requiring some skill, I have had 100 percent success with the AlphaCrackers, with the longest key generation taking just over 20 minutes. But this tool takes practice and patience.

In fact, the only technique that Dale mentions that I am a little apprehensive about is using a lineman's pliers to force turn a working tryout key. And while I am hesitant to use this procedure, the force applied to the key for turning is actually quite minimal. If it weren't, this lock is notorious for key breakage. Excessive pressure will break the key first.

All in all, despite being able to disassemble and reassemble the Alpha Tech ignition, I would much rather use these tools first, and if necessary, disassemble last. No disassembly – No liability



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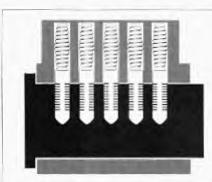
Every year at least one, and usually many manufacturer(s) introduces a product that turns the industry on its ear. Typically these products are an extension of new technology, and almost always involve automotive lock/key changes and/or electronics.

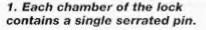
Recently, however, a new product was introduced that is fully mechanical and extremely easy to use. Despite its simplicity, it has the potential for changing the way residential locksmithing is approached. The product? — Master Lock's Universal Pin<sup>rw</sup> rekeying system.

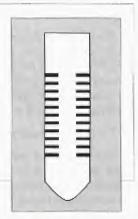
The thrust behind the new system was to create a fast. convenient easy method for providing end users with locksets keyed to their own key. The result is a cylinder that can be "pinned" to fit the keys for most of the major residential keyways without disassembling the cylinder.

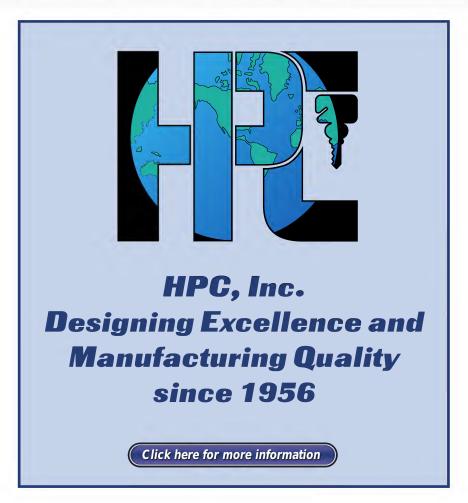
In principle, here's how it works: Each cylinder is factory pinned with a single long pin in each of the five chambers. Each pin is serrated, with the serration points equaling the increment of the chosen manufacturer keyway. A cylinder with the Schlage C keyway, for example, has serrations every .015". A cylinder with the Kwikset keyway has serration's every .023". There are enough serration's in each pin to cover the full depth range for each manufacturer. (See illustration 1.)

Continued on page 15

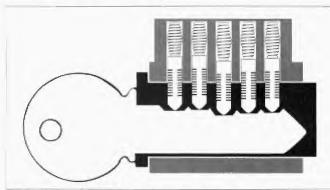








#### Continued from page 12



2. The customer's key is inserted into the lock, creating a shearline at the serrated points.

The locksmith chooses a cylinder to match the customer's keyway and inserts the customer's key into the plug. The serration points on the pins align at the shearline of the plug, matching the key. (See illustration 2.)

The key and cylinder are placed and secured into Master's pinning fixture, with the fixture's "drive pin" moved up to abut the back of the cylinder plug. (See photograph 3.) Then, using the wrench provided, a bolt on the back of the fixture is turned, moving the drive pin into the plug and forcing the plug partially out the front of the cylinder. The serrated pins are sheared at the proper plug shearline in the process. (See illustration 4.)

After removing the cylinder and key from the fixture, placing the retaining clip on the back of the plug, testing the customer's key in the cylinder, and placing the cylinder in the lockset, it's complete! In all this process takes less than a minute.

Now, let's be up front. As locksmiths, there are a lot of questions regarding the finished product. First, how badly has the lock been deformed by force breaking the pins? Secondly, why couldn't someone use a screwdriver to force turn the plug without a key? Thirdly, can it be masterkeyed? Fourthly, can the plug be rekeyed or repinned? Fifthly, what about worn and multiple generation duplicated keys?

Master apparently asked themselves these questions and was quite open in answering.

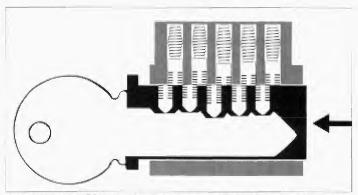
According to Bob Weis, director of new business for Master Lock, in order to use the shearing process, a stronger metal is used for the construction of the shell and plug, reducing any deformation. And while the pressure being applied to the plug does reshape the chamber holes to a small degree, it is not enough to affect the mechanical and/or security integrity of the lock.

To reduce the amount of reshaping the chambers procure, Weis recommends that the shearing process be done in one easy motion. Every time pressure is released on the fixture's drive pin, the tumblers can shift

from one position to another, deforming the chamber more than is necessary. Completing the shearing process in one motion holds the tumblers in one position and keeps



3. The Universal Pin system fixture used to shear the pins.



Using the Master lock Universal Pin fixture, the pins are sheared.

deforming to a minimum. (See photograph 5.)

At this time Master does not recommend masterkeying with this system, citing the need for better



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5. In one easy motion Todd Neimuth, Master Lock Product Manager of Door Hardware, demonstrates the keying process.

tolerances after shearing has been completed. With this system being so new, continued research in materials and processes is needed to produce a masterkeyable cylinder. But that, too, is seen for the near future.

And with regards to using a screwdriver to turn the plug? Master has tested this system using both brass and hardened steel keys. In all cases the key sheared before the plug turned. According to Weis, 1000 inch-pounds of torque are required to shear the pins, exceeding the strength of screwdrivers and other devices that may be used to attempt force turning the plug.

Repinning the cylinder with standard tumblers is possible but not practical, says Weis. In order to rekey the cylinder the tumblers would have to be removed and replaced from the top of the bible, a long and tedious procedure. Especially when a new plug cost only \$2.

Badly worn or duplicated keys is also not a problem with Master's new system. According to Weis, hundreds of keys, including fourth generation duplicates, have been used without failure using the Universal Pin system.

Finally, and most important, how is this going to affect the locksmith?

While this system is going to be used by chain stores throughout the U.S., Master's Universal Pin system has two marked benefits of which locksmiths can take advantage. The



6. The seat back lock for the 1995 Chrysler/Plymouth Cirrus and Dodge Stratus.

first is the reduction of hardware that needs to be stocked

to compliment all the possible residential keyways. By keeping a few locks and the different keywayed cylinders on the shelf, a lockset can be assembled to fit any customer's need. Secondly, the time saved using the Universal Pin system can be used for add-on sales like padlocks, door viewers, strike plates, or even completing a premise security survey.

Initial investment for the Universal Pin system including the fixture, installing instruction pad, parts cabinet and cylinders is expected to be around \$400, and is available from Master Lock distributors.

And, of course, automotive also made major changes throughout 1994 and going into 1995, Most notably has been the addition of GM's 10-Cut system, with Briggs & Stratton adding several new locks and keys to their

line to fit these vehicles.

For 1995, Fred Kosloske, Auto Security Specialist for Briggs Stratton, submits the following lock service procedure. The lock featured is the seat back lock used on the 1995 Chrysler/Plymouth Cirrus and Dodge Stratus. Kosloske points out that while this is a very simple lock to work on, its plastic components are susceptible to breaking if not serviced correctly.

The seat back lock used on the Cirrus and Stratus (B&S #702855) is a simple push button lock comprised of a plastic shell, push button, and plug. (See photograph 6.) The tailpiece and snap ring, locking bar and tumblers are the only metal components on this unit. As such, it is essential that care be taken when servicing this lock.

The plug can be easily removed from the front of the lock without removing the whole assembly from the vehicle. It is held in place by a simple wafer retainer and a keyed locking lug. As such, it is easily released when following the correct procedure. If not correctly done, however, the lock can be severely damaged. To release and remove the plug:

Pick or use a key to turn the lock to the unlocked position. This will place



7. Depressing the push button allows the locking bar to move into the cavity in the shell when the plug is in the release position. Notice the detent at the edge of the cavity.



8. Depress the retaining wafer and turn the plug 1/8 turn counter-clockwise.

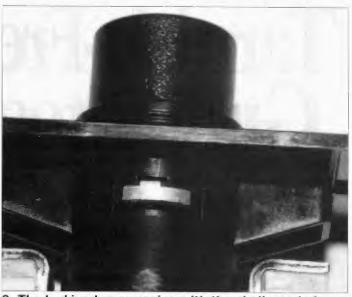
the wafer retainer below the retainer access hole found on the side of the push button.

Depress the push button approximately 1/16". This allows the locking bar to clear a cavity in the shell when the plug is in the release position. If this step is not performed, and the bar is not in position to clear the shell, then the next step and release of the plug cannot be performed without damage to the lock. (See photograph 7.)

With the push use a probe to plug replacement. depress and release

the retaining wafer on the plug. Do not pull on the plug, instead turn it clockwise 1/8th of a turn. This allows the plug to clear the locking lug retainer in the shell. Now, pull the plug from the shell. (See photograph

Releasing the lock button at this time lets a small lip on the locking bar



button depressed. 9. The locking bar engaging with the shell, ready for

engage with the small detent area on the shell, and holds it in position for plug replacement. If the bar moves or disengages from this position it must be replaced before the plug can be installed. (See photograph 9.)

The plug can be replaced with or without a key. To replace the plug:

Position plug with the top of the

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10. Falle-Safe Securities stainless steel pickset.



11. The Underdog plug follower accessory tool.

tumblers aligned with the ramped edge inside the push button.

Insert plug until it is fully seated. A small button or tab on the back of the plug will engage with the locking bar in the process. This button drives the locking bar when the plug is turned and must not be damaged.

Once the plug is in place, again depress the push button approximately 1/16". Again, if not done, the next step cannot be performed and the lock can become damaged.

Turn the plug counter-clockwise until the wafer retainer and locking lug are engaged. Test the lock for operation.

It's said that you should never lay down your weapon. For the locksmith that's a pick set. And seldom are there any breakthroughs with standard picking technology that makes it worth exchanging an old, tried and true pickset for another. (See photograph 10.)

But if you're in the market for a new or backup weapon, consider the Falle-Safe Securities Lock Pick set. Over fifty stainless steel tools are packaged in this set, including various sized hook picks, rakes and tension wrenches. The pieces are numbered to help identify the size pick being used. The tools come in a tough nylon carrying case and cost \$150 (plus \$5 shipping and handling).

For more information contact Falle -Safe Securities' North American representative, Mark Bates Associates at 606-858-0811, or fax 606-858-4292.

On the simpler, yet practical, side of locksmithing is the Underdog plug follower and accessory tool. Made of solid metal, one end of this device serves as a universal plug follower while the other end serves as a probe or scratch awl. While not overly complicated, it makes a good multipurpose pinning and keying tool. Selling around \$20, this tool is available from Underdog Tool Co. at 415-459-2520. (See photograph 11.)



# It's not safe unless it's Schwab Safe.

# NEWSMAKERS

#### New Products and Industry News

#### New M-3 Cutter By Silca

Silca Keys U.S.A., Inc. is proud to announce the availability of a new cutter compatible with the Bravo USA, Bravo Master, Rekord Plus, Poker Plus, Special Super, Special Master, One, One Master, as well as many machines made by other manufacturers.

The cost of this amazing new cutter is about twice the cost of our standard cutter. but the new M3 material has proved, during our testing, to allow the cutter to last up to five times as long. This new cutter is produced in the U.S.A. from a secret new material we are calling M3 steel. Its' properties tightly compact the steel giving a far better tooth surface and makes the cutter stay sharper far longer than conventional cutters.

With the new M3 cutter, it is not necessary to change the speed of the machine and the cutter is not as brittle as Carbide, making it very attractive to the Locksmith.

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#### DynaLock 6325 Series Lock Station

DynaLock Corp. introduces its new 6325 Series of concealed lock control stations.



The compact 6325 Series in only 2" square and is designed to be mounted under a desk or any other inconspicuous location.

The 6325 controls most any electric lock and is supplied with N.O., N.C. or maintain contacts rated at 5 amps, and also available in popular architectural finishes.

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#### New Monaco Lock Catalog

Monaco Lock Company, Inc. introduces it's newest Volume 9 catalog. This catalog departs from the former styles and was designed to be easier to work with. This catalog includes the most recent product information from manufacturers at press time. Those familiar with our past catalogs will appreciate this new condensed format making it easier for you to solve the security puzzle. Request your complimentary copy today.

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#### Cirrus™ Keyed Leversets From Master Lock

The Cirrus™ leverset from Master Lock meets the Americans with Disabilities Act accessibility requirements and is rated for light commercial use.

The graceful, sweeping arc of the Cirrus™ adds elegance to any home. It features:

 exclusive, "hands-free" mounting, which frees both hands to secure the tie screws.

- a massive inner chassis and ball bearing locking, for top security.
- a full lifetime mechanical warranty and made-in-USA construction.
- keyed-alike convenience.
   The unique design allows cylinders to be exchanged to match Kwikset, Schlage, Weiser, National or Dexter.



Master Lock leversets come in a variety of functions, including keyed entry, bed/bath, hall/closet and dummy lever.

Cirrus leversets must be specified for right-hand and left-hand doors, and come in a choice of Bright Brass, Antique Brass or Satin Chrome finishes.

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#### Kwikset Introduces Lifetime Finish

Kwikset Corporation, America's largest manufacturer of residential locksets, announces the availability of TITAN Chelsea and Arlington style solid brass handlesets with a new Lifetime Finish. The durable new finish, available only in polished brass, protects against tarnishing and finish deterioration due to wear and exposure to the environment so well that Kwikset backs it



with a full lifetime warranty against mechanical and finish defects.

The new Lifetime Finish technology is a result of Kwikset's commitment to continuous product improvement, customer service and industry leadership. Combined with the standard Titan warranty, Titan products are now backed by one of the most comprehensive warranty packages in the industry.

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#### Detex's Water-Resistant Exit Control Lock

Detex Hardware Product Manager, Gary Hackney, announced recently that the new ECL-8010W water resistant, relatching, alarmed exit control lock is available for sale. The first units have been installed in San Antonio in the outdoor garden department of a well-known national retailer.



Resistant to the elements, the battery-powered ECL-8010W continues to guard outdoor and fence gate emergency exits in rain, snow, sleet, or heat. Built around a proven design, the ECL-8010W features a water-resistant cover assembly, corrosion-resistant lock mechanism, and is integrated with microprocessor technology to provide instantaneous response in the event of an emergency.

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## Maxi-Mortise™ By Folger Adam

Folger Adam Company announced the product release of its Maxi-Mortise™ Lock A9300 Series. This heavy dufy new lock is suitable for use on swinging doors in high security, high frequency commercial and industrial applications. It fits standard ANSI door preparation, but has performance features of

much bigger locks. Its mechanism is encased in a 12 gauge wrought steel case for added strength. Its 10 gauge steel armored front prevents tampering. A 3/4" throw, one-piece stainless steel latchbolt, and a 1" throw stainless steel deadbolt with hardened roller insert assure high security, and resist sawing.

The Maxi-Mortise also features six pin tumbler key cylinders, heavy duty, return-design lever handles, and corrosion-resistant working parts, constructed of stainless steel or specially



zinc chromated steel. These features make The Maxi-Mortise a lock that is built to work and last even when exposed to high levels of abuse.

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#### Maxton Office Equipment Lock

Cable Lock and Auxiliary Cables to Keep Equipment on a 5 Foot Leash! No Holes Need to Be Drilled in Desk Top.

Secures: Micro-computers, Word-Processing Machines, CRT's, Electronic Key Boards, Disc Drives. Electronic Telephones, and Telephone Answering Equipment.

A 5' long steel aircraft cable sheathed in protective vinyl attaches to equipment. The other end locks to a desk leg or work-station side with a unique lock that is free spinning and pick-resistant. Auxiliary 3' cable sections

secure additional equipment to main cabte. Sold separately.

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#### Starrett's New Hole Saw Value Pack

The L.S. Starrett Company recently introduced a hole saw value pack that makes installation of door locks simple and inexpensive, while producing professional





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results. For use in both wood or metal doors, the kit features high quality bi-metal Starrett hole saws for clean accurate cutting. There's a 2-1/8" hole saw for the lock and a 1" one for the striker. A rugged tool-steel arbor with adapter also comes with the kit and fits all 3/8" drills. The entire kit comes value priced attractive carded packaging which includes easy-to-follow instructions. The L.S. Starrett Company is a leading manufacturer of precision tools, measuring tapes, saw products, levels, electronic gauging systems, gage blocks, and granite surface plates which are sold worldwide.

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#### Hartwell's Self-Closing Door Latch

Hartwell Commercial has announced the introduction of a new, thermal plastic self-closing door latch. The H3591 self-closing latch is lightweight, easy to install, and secures enclosures from forced entry as well as from environmental damage.



The latch is manufactured with durable, engineered plastic components and is available in chrome plating, black, or custom-color finishes. A reversible bolt design allows right- or left-hand assembly, and horizontal or vertical mounting as well as flush mounting.

The H3591 closes, even when locked, and the latch stays locked if the handle is broken. The splash-tight design can be further modified for water-resistant applications, as required in marine craft or electronic enclosures.

Easily installed, the H3591 assembly includes the latch, mounting bracket, and four screws. It is available with or without a lock. The H3591 is available through Hartwell's network of distributors across North America.

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#### NanoRose-I By Nanotechnology, Inc.

The NanoRose-I is an Electronic Access Control system that operates without batteries. It readily (without special tools) converts, or retrofits, a Schlage Series D



Model Rhode lockset (not included) into a self-contained push-button lock. It features 125, 253, 509 or 1,021 user-programmable, variable-length codes. It is maintenance free: no need for battery nor external wiring. Other features include a lock-out mode after four unsuccessful trials and key override.

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#### Corby's New Single Door Access System

The new SYSTEM 2 Access Control System from Corby Industries, Inc. provides an array of sophisticated access control features in a versatile, easy to use package.

The standard SYSTEM 2 supports up to 250 users and each user can be added



The market leader in locking systems for security, safety, and control.



or deleted in seconds using the built-in programming keypad and 48 character Liquid Crystal Display. The programmable relays can control almost any device including electric door locks, arm or disarm alarm systems, shunt alarm devices, or garage doors.

System 2 is designed as a complete two-door Access Control System which can easily be expanded into a large 64 door System. The standard 250 user feature

can also be expanded to 6,000 users for each SYSTEM 2 unit. SYSTEM 2 is also available in a one-door unit, which can be easily upgraded to a door System.

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#### Jensen's New Kit Of Insulated Tools

Jensen Tools, Inc. offers a set of insulated tools that are engineered for protection against electrical shock when working around live electrical wires and charged equipment. They are made the German by tool manufacturer CK, and meet requirements of Germany's stringent VDE standard IEC 900. Each tool has been individually tested at 10,000 volts and certified safe at 1000 VAC/1500VDC.

The set contains eleven standard tools used by security installers and technicians; a 7" side cutter. 8" long nose pliers, 6-1/2"



long nose pliers, 8" lineman's pliers, and seven screwdrivers (7/64x3", 5/32x4", 7/32x5", 1/4x6" slotted; #0x2-1/4", #1x3", and #2x4" Phillips).

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#### New Von Duprin Power Supply

Voltage output can be selected in the field on a new



power supply from Von Duprin, Inc. The unit offers a choice of 24VDC @ 1 ampere or 12 VDC @ 2 amperes. The new Series PS861 Power Supply is designed for electromagnetic locks and electric strikes on single-door applications.

Standard inputs available include 120VAC @ 0.6 ampere and 240 VAC @ 0.3 ampere. The power supply is housed in a 10" X 10" X 4" enclosure constructed of heavy 19 gauge steel, with a hinged cover and knockout holes.

Available options include keylock cover and sealed lead acid battery pack. Four models are available, including standard supply and battery backup, with and without key lock cover. The pair of batteries will provideback-up power for three hours at full load or seven hours at half load and will

automatically recharge when failed power is restored.

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#### Crimestopper Ignition Starter System

Crimestopper Security Products manufacturer of state-of-the-art vehicle security systems and accessories, has introduced two new remote start systems with features not found on other remote start products now on the market.



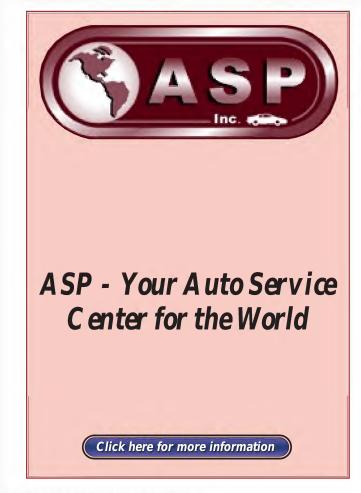
The RS-775 and RS-795 code learning systems are controlled by a fixed code transmitter or a dynamic code (or anti-code grabbing). transmitter. Both systems feature an Idle-Down Mode, which permits the user to leave the vehicle with the key while the engine runs for 10 minutes before shutting off, A. unique Infinity Run Mode permits the engine to run without the key in the switch until the user strikes a button on the remote transmitter or taps the brake.

Both systems include a Tach Finder Mode, which assists an installer in finding a tachometer source. They also are designed to sense either a tach or vacuum source. When activated, they will disarm an alarm sensor and they will shut off when the brake is tapped or the hood is opened.

In addition, the RS-795 has a unique Manual Transmission Mode which permits the safe remote start of vehicles with manual transmissions

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# GENERAL SECURITY

#### THE CORBIN RUSSWIN CK4200

Test Article #70

#### by Giles Kalvelage

Last month, we made various general comments about Corbin Russwin, its history, and its most applicable keying schedules as it applied to the CK4400 Series Grade 2 lockset. Most of the general information provided last month will remain applicable to the Corbin Russwin CK4200 heavy duty cylindrical locksets. This is especially true of key space and depth information pertaining to the bitting classes described last month.

The heavy duty CK4200 Series lockset is ANSI Grade 1, making it an ideal candidate for high usage areas such as factories and industrial applications. Its installation and

disassembly is unique compared to most other locksets, including its cousin lockset, the CK4400 Series. If one is not familiar with the proper removal techniques for this particular lockset, there is a high likelihood of damaging the lock.

The CK4200 Series locksets were known as the Corbin 400 Series and Russwin 400 Series locksets before the blending of the two companies into Corbin Russwin. It should be noted, however, that lockset function between the old Corbin and old Russwin divisions did not always correspond. For example, the new Corbin Russwin CK4251 entrance lockset has been known as the Corbin

440 and the Russwin 451.

The CK4200 Series is available in all functions and a list is available from a Corbin Russwin distributor.

#### Installation

The lockset mounts into a standard door prep with a 2-1/8" lock case hole and a 1" latch hole. The edge of the door should be mortised to accept the face plate of the latch or deadlatch. The backset is normally 2-3/4", but other backsets up to 7" are available. According to literature, a 2-3/8" backset is not available.

#### Installation Into Prepared Door

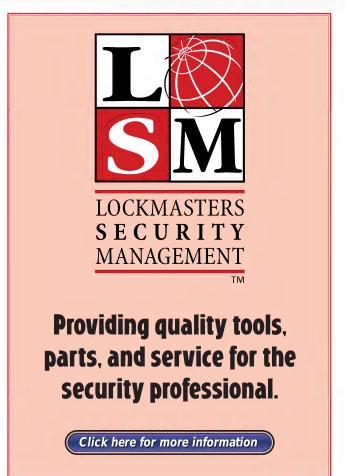
(Removal procedures are reverse of installation except as noted.)



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December 1994 • 25





















1. This large C clip knob retainer is unique to the 4200 series Corbin Russwin knobset. This retainer appears on each side of the case housing.

1.) Install the latch into the side of the

2.) IMPORTANT: Remove the inside

knob from the spindle. Look

carefully at the Case Housing.

There is a "U" shaped clip retainer

on the side of the housing called

the knob retainer. (See photograph

1.) There are two of these

retainers on the lock, with one on

To remove the knob, take a

screwdriver or an awl and push either

tab of the knob retainer. This will

release the knob on the side of that

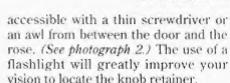
particular retainer. When removing

the lockset from the box for a fresh

installation, the inside knob retainer is

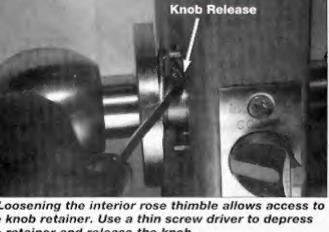
each side of the case housing.

door



To remove the outside knob for rekeying the cylinder, again loosen the inside rose thimble. Push the lockset out of the door to allow access to the outside knob retainer. In some cases loosening the outside thimble and rose may allow for more room.

3.) Adjust for door thickness by rotating the outside rose adjusting thimble so that the latch will fall in the center of the retractor slot when mounted on the door. It will be necessary to hold back the outside rose and liner with one hand while turning the rose



2. Loosening the interior rose thimble allows access to the knob retainer. Use a thin screw driver to depress the retainer and release the knob.

Depress the outside knob retainer to remove the outside knob. Be careful to assure that the latch properly interconnects to the lock case when retightening the inside rose thimble.

4.) Install the lock by inserting the lockset from the outside of the door to the inside. Make sure the latch tails of the latch properly engage in the lockset's retractor and the lock case slides over the latch tabs. (See photograph 3.) Also, make sure the outside rose adjusting thimble slot snaps into place within the rose liner to provide a positive fit. There should be no gap between the rose and the thimble.

adjusting thimble with the other

hand. The lockset should be

properly adjusted when the inside

surface of the rose, pressed evenly

inward against the rose adjusting

thimble, is one half the distance of

the thickness of the door from the

center of the retractor slot. The

template packaged with the new

lockset provides an excellent aid

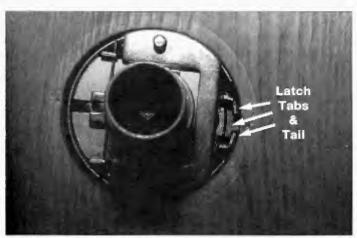
in this adjustment. If no template

is available, a ruler or tape

measure can be used.

5.) Install the inside liner, inside rose,

easily visible and the inside knob can easily be removed from the spindle. If the lockset is mounted on the door and it is to be removed, use a spanner wrench to loosen the inside rose thimble (spindle sleeve). Slide the rose and liner toward the inside knob. The knob retainer should be



3. Make sure that the latch is properly connected to the case housing.



4. Install the rose liner, inside rose and rose thimble and tighten with a spanner wrench.











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Remove the assembly screws to dismantle the lock case.



After removing the inside coupling and O ring the rollback can be removed.

- and inside rose thimble onto the inside spindle. Tighten the rose thimble with the spanner wrench. (See photograph 4.)
- Snap the inside knob onto the spindle. It may be necessary to twist the knob slightly while pushing. Pull the knob to assure a tight fit.

#### Lockset Disassembly

- Remove the lockset from the door or box.
- Remove the inside and outside knobs as described above.

- Remove inside and outside roses and liners. A pressure spring will also release from behind the outside rose liner.
- 4.) Remove the Assembly screws from the Case assembly. Unlike other locksets in this series of articles, the screws mount from the front of the lockset case. (See photograph 5.) They will release the yoke and the cap sub assembly at the rear of the Case assembly.
- Lift off the inside coupling and "O" ring.

- Note the position of the spindle shaft and lift off the inside rollback. (See photograph 6.)
- 7.) Lift out the sub frame and retractor assembly. (Photograph 7.)
- Lift out the spindle. Attached to the spindle will be another retractor, spindle spring, spindle spring seat and pin.
- Another coupling will be found in the shaft portion of the case subassembly. This will lift out.

Reassembly is the reverse of disassembly.



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Is a Self-Portrait
Of the Person Who Did It.
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7. Removing the sub frame and retractor assembly.



8. Remove the knob fastening ring from the back of the knob.

#### **Knob Disassembly**

For rekeying the cylinder, remove the outside knob per the instructions above. Then use the following procedure to remove the cylinder,

- After the knob has been removed from the lockset, turn the knob on its face. This will expose a large "C" clip, known as the knob fastening ring. With a Truarc ring spreader, compress this ring and lift it out. (See photograph 8.)
- 2.) On the outside knob, this will

release the knob shank (spindle), the plug driver and the cylinder. (See photograph 9.)

 On the inside knob, this will release the knob shank, the cam follower, and the turn button assembly.

Reassembly is the reverse of disassembly.

#### Cylinder Servicing

The cylinder in our sample happens to be a cylinder with a .552" diameter plug. (See photograph 10.)

Although the cylinder may be serviced from the top by removing the spring retainer with a thin blade screwdriver, it is oftentimes easier to remove the "C" clip at the rear of the plug and use a plug follower. Note, however, that the end of the plug tapers from the main body of the plug. This will wreak havoc with the top pins when attempting to remove or replace the plug without a plug follower which will cover that taper. If you work on many of the .552" cylinders, it would be convenient and













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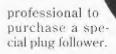




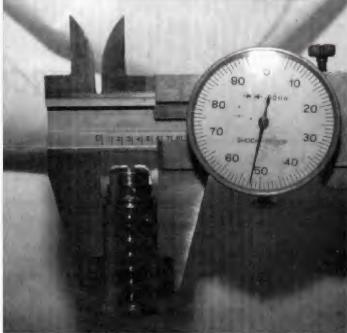




9. The knob shank (spindle), plug driver and the cylinder are now released.



In lieu of minor expense, use a standard .552" follower and slide a shim over the main body of the plug to the follower to form a bridge which will keep top pins in



10. The plug for this cylinder is .552" in diameter.

place while removing and replacing the plug from the shell. (This procedure also works well on residential Weiser locksets using a standard .495" follower.)

#### Space and Depth

Refer to last month's article involving the Corbin Russwin Grade 2 lockset.





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# AUTOMOTIVE SECURITY

## MERCEDES SL600, PART 3

Test Article #71

#### by Michael Hyde

Before attempting to make a first key to the Mercedes SL600 you must have some specialized equipment. First you must have a high security automotive key machine. I use the Silca Club.

You will also need a way of code cutting the key and to do this you can use a set of depth keys for high security autos or Silca makes a code attachment for their machines that work very well.

#### Making First Key

The fast step is to remove the door cylinder as it is the easiest to remove of all the locks.

Before you begin work on the cylinder, it will be necessary to remove the alarm module from the lock housing. To do this, simply tap inward on the two tension pins located on each side of the module, now the module can be removed and the

tension pins recovered. This module is extremely expensive and care in handling should be a priority.

The housing to the lock does not expose the tumbler chambers, as in other high security models. The plug does need to rotate to be removed. There are two possible ways to do this.

1.) Drill a 1/8" hole into the slope of the tumbler chamber on each side of the housing, on the tailpiece end of the housing. You must be careful not to drill too far and hit the plug. Prep a key with all number 5 depths. Insert the prepped key and use two small pieces of metal to reach down in the tumbler chambers to

bring the tumblers to the shear line in order to turn the plug for removal. Be patient as this may take some time to get all the tumblers to the shear line so the plug will turn. You should apply some turning pressure as you try to bring all the tumblers to the shear line. After you have removed the plug you can then decode the wafers to make a working key to the doors and trunk. The tumblers will be stamped with a depth number.

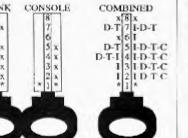
2.) Use a Dremel to mill or cut a groove down the tumbler chamber on each side of the housing. You must be careful not to cut too far and hit the plug. Prep a key with all number 5 cuts. Insert the prepped key and use a small probe or dental type tool to bring the tumblers to the shear line in order to turn the plug for removal, be patient as this may take some time to get all the tumblers to the shear line so the plug will turn. You should use the prepped key to apply some turning

pressure as you try to bring all the tumblers to the shear line. After you have removed the plug you can then decode the wafers to make a working key to the doors and trunk. The tumblers will be stamped with a depth number.

(NOTE: The tumbler positioning in Chassis 129/140 are different from other Mercedes 4-track alarm models.)

On Chassis 129/140, the key you make to the door lock should also work the trunk and glove box and/or console lock. There will be three missing cuts needed to make an ignition key. Those positions, are 2L, 3L and 6R. You will need to impression or progression these remaining cuts for the ignition. If you impression the missing cuts do not force the key as there are tumblers used in the locks that are made to break under pressure as a anti-theft

deterrent. Use a good lighted magnifying glass to see your marks, it will help a lot. Illustration one shows the tumbler placement for the locks on this chassis.



I-IGNITION, D\*DOOR, T\*TRUNK, C\*CONSOLE, x\*NOT USED, \*-See Note

\*Tumbler positions 1L and 1R will contain a tumbler in one or the other, but not both. That tumbler position will be constant in all the locks. Once you have determined from the door lock whether it is a right or left, it will be the same in the ignition, glove, and trunk. Except factory replacement locks. Factory replacement locks are usually coded to match original tumbler positioning, but this is not always the case.

Tumbler locations for locks on the Mercedes
 129/140 chassis.

#### Mercedes 4-track Facts

- The 8R position has always been found as a #2 cut.
- 2.) The safety factor for these locks is 3 (MACS)
- 3.) A #1 cut and a #5 cut will not be found next to each other, unless they are In positions 1 R and 2R.
- There are never more than 5 of the same depth in a row,























# ELECTRONIC SECURITY

## WIRE PULLING TOOLS, II

Test Article #72

L ast month we looked at a few of the specialty drill bits needed for running wire. This month we take a look at a couple of the tools used for feeding and retrieving wires through the intended path. The tools and techniques listed are simply a small and very brief example of what is available, but should be a good start for the beginning electric locksmith.

Once the proper holes have been made leaving access for a wire to be pulled, there needs to be some way to retrieve the wire. In some instances the drill can be used, as noted in last month's article. In other instances, fish tape, string and extended rods are necessary to find and pull the wire. (Note: Holes made in many materials, especially metal studding, are often sharp and may damage the wire as it is being pulled. Make sure that any potentially damaging holes are grommeted. If ever in question, a wire loop should be checked for shorting before being used.)

Pulling wire through wall cavities is a common task. Probably the most well known tool for pulling wire through walls is the fish tape. While various types exist, the most common is the spool of thin rigid banding, the end of which is pliable enough to create hooks and/or loops to snag or attach to the wire being pulled or retrieved. In most cases, the fish tape is fed through to the end destination. The wire is then attached to the end of the tape and then retrieved. (See photograph 1.)

Thin nylon poles also make for good wire pulling tools. Similar to a fishing pole, these rods are flexible enough to feed through a small hole in a confined area, yet rigid enough to control its direction once inside the wall cavity. Many of these poles telescope or have screwon extensions for added length.

Another type of fish tape is not rigid and very flexible. Typically used for pulling wire through conduit or races that involve several bends, this same tape is useful for dropping down



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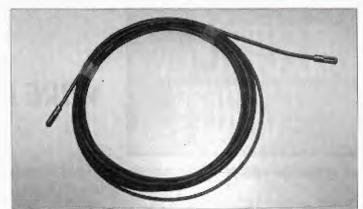




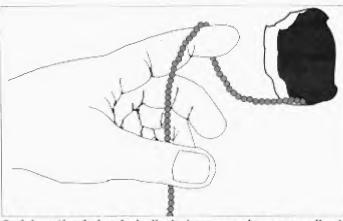




1. This rigid band of steel makes up one of the most common types of wiring pulling tools – fish tape.



2. This fish tape is flexible, allowing for smooth, effortless pulls where many bends are present.



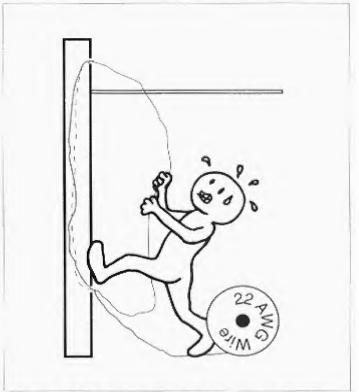
3. A length of simple ball-chain can make an excellent wire pulling tool.

and retrieving wire up through a wall cavity. (See photograph 2.)

Another tool used for retrieving wire through a wall cavity is a length of ball-chain, the chain made of small, linked balls and commonly used for key chains. To retrieve wire up a wall cavity, a length of this chain is dropped into the cavity towards the wire access hole. When near the area of the hole, a magnet is inserted to grasp and retrieve the chain. The wire or a string is then attached to the chain and pulled up through the wall. (See illustration 3.)

A big difficulty in retrieving fish tape and other wall cavity tools is getting them to exit. With the ball-chain a magnet can be inserted into the cavity to grasp the chain. Using a flexible fish tape, however, may

require the use of a wire to hook and retrieve the end. A probe light is also helpful when trying to locate the tape.



chain. Using a 4. Looping string through a short run can make easy flexible fish tape, work where continuous wire pulling is expected.

Many walls will be filled with insulation, making fish tape feeding very difficult. In these cases, it is usually beneficial to use the nylon pole



C hoose S&G C omptronic electronic safe locks for...security... technology...tradition.





















or rod or the standard rigid fish tape. To minimize damage to the insulation and facilitate the moving of the tool within the wall cavity, the pole or tape should be run right up next to the wall board.

Another necessary task is pulling wire across ceilings. Over the last few years this task has been simplified by the use of suspended ceiling tiles in new construction. Still, this is not the rule, and varying ceiling types create different barriers for running wire.

Many ingenious technicians have used various methods and techniques for running wire across a long expansive ceiling. One technique worth noting was the use of a radio controlled truck. A line was attached to the back of the vehicle and let loose in the ceiling. The technician directed the vehicle over the various obstacles to the point of exit. Interesting and unique, but not always practical.

Probably the most used method of pulling wire across a ceiling is to throw a ball of string from one end to the next. While effective, this takes a good arm, and more often than not the string gets wrapped around various obstacles. Variations of this method employ a sling shot or a crossbow to more accurately shoot a weight with a string attached across the ceiling.

Also effective for ceilings are the nylon rods. By adding extensions, wire can be grabbed or pulled across long distances in a ceiling while offering some degree of control on direction.

A final technique that is useful where different wires are going to be run along the same pull or run is to form a continuous loop of string from the both ends of the run. Once the loop is made, the wire(s) being run are attached to the loop. The installer then simply pulls the loop, drawing the wire(s) through the run. The loop can be left till the install is finished making it easier to pull any other wires going through that route. (See illustration 4.)

Next month we'll take a look at some of the fasteners used when running wire.



# NATIONAL

AUTO LOCK SERVICE, INC.

National Auto Lock Service, Inc. offers a wide range of equipment and services for the Automotive Locksmith. From tools and hard to find key blanks to transponder programming, we can take the mystery out of car service. We accept credit card orders, and can ship COD. Contact us for the latest in automotive technology.

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# 1995 Locksmith Directory

This Directory contains the names, addresses and phone numbers for the hundreds of manufacturers and distributors serving the locksmith industry. Each company has been given the opportunity to write a short paragraph about themselves. This gives you a chance to learn more about the various companies in the industry.

Save this issue for reference throughout the year of 1995. If you ever have a question, problem, order or comment to make, you can use this Locksmith Directory to help you get results. Remember, these companies exist to help you, the locksmith. But they cannot become more responsive to you if you do not keep in contact.

We have tried very hard to make this Locksmith Directory complete with all the information you might need during the upcoming year. However, it is possible that some information might have inadvertently been omitted. If this is the case, then a future issue will contain an addendum to this list.

# ALARM MONITORING

ADT Security Systems ADT Security Systems
300 Interpace Plwyy
Parsippany, NJ 07054-1177
(201) 316-1000
FAX (201) 316-1131
Key Personnel: Rick Bodge, Dir. Mktg. Comm.,
Ralph Frank, Migr. Corp. Comm.
ADT is the world's leading scraplier of electronic security systems and services. Since 1874,
ADT's austomer base has grown to include ADT's clistomer base has grown to include 493 fortune 500 companies, with over 860,000 systems installed in three market victors commercial, residential and megrated systems. Other services include access control CCTV Parthof Sale lass prevention and electronic article server lance.

Alarm Monitoring Services, Inc.

Alarm Monitoring Services, Inc.
5021 hairfield St.
Meta rie. LA 70006
15041 454-2163, 18001 228-4134
FAX: 15041 456-8706
Key Personnel: Dera A DeRoche, Pres.: Roy.)
Dekache, III, V.P.; Charlotte Bordelon, Central
Sta, Mgr.
Alarm Monitoring Services, Inc., was founded in
1980. The computer revendes a arm monitoring. 1980 The company provides a arm monitoring services exclusively for dealers. We are addicated to providing the most sophisticated claim monitoring services available anywhere.

See ad on page 63

American Wagnetics Corporation 740 Watson Center Road Carson, CA 907454181 213-775-8651 FAX. 310834-0685 ey Personnel Richard Kelley, V.P. Access John J. Ed Martin, Reg. Dir., Hal Havg. Reg. Key Personnel American Magnetics Corporation manufactures

access control and alarm monitoring products for small to large integrated security systems

Central Alarm Control, Inc. 13973 SW 140 Street Miams, FL 33186 1305) 738-0800, [800] 288-6522 FAX (305] 378-4563 [800] 933-4563 Key Personne - Robert Boudreaux GM Central Alarm Cantral, Inc. offers all phases of aigita alarm manitating long range radio, and derived channel providing service for security, the, the safety, medical environmental and evenution releptione system. The U.L. listed central station serves over 500 independent installing companies nationwide. C.A.C. has served the industry's nee 1982.

Emergency Response Center 1514 E 191 St. Cleveland OH 44117 18001 322-3721 FAX 1800(243-3329 FAX 1800/243-3329

Key Personnet im Beck Network Mar National wholesale monitoring station Established in 1980, 35 000 systems online Disaler support provided

Emergency 24 Inc. 4179 W. Irving Park Rd. Chicago, IL 6064 I. (800) 827-3624 (312) 777-6707 FAX. (312) 786-1992 Key Personnel: Dame Monteverde, Pres.; Maureen Gold, Nor'l Sales Magr.; Pat Deveraux, Central Stri. Mingr. Emergency 24 is a nation-wide central station providing alarm monitering services exclusively to independent alarm dealers since. 1977 Deoler contract friancing program, Interactive. Deoler contract friancing program. Interactive PC/Maintraine software program available. Back-up branch central stations. Exclusive ISDN posed phane number identification services. Me seting aids and support.

Grand Central Station 23194 Kidder St. Hayword CA 94545 (800) 458-4519 FAX: (510) 887-7364 (800) 456-451 r. FAX: (510) 887-7364
Key Personnel Mike Cooke, Mgr : Lisa Fortill's Dealer Support
Grand Central Station is an Underwriters Laboratory listed central station dedicated to supporting dealers with quality wholesale marritoring of burglar and fire alarms, G.C. S. Tanashow you how to increase your profit is of direct to dealers. can show you how to increase your profit s. on all manitoring jobs. We can provide direct billing for your clients monitoring and return

Monijal Signal Corp. 1433 Highway 34 Farmingdale, NJ 07729 (800) 531-2299 FAX (201) 439-2335

Key Fersonnel Ray Sacks, Pres : Rich McKelligett, Dir.Op. Nationwide clarm monitoring and telephone. answering service for the security industry only Down loading of a arm histories and answering service messages to on sight printers at dealers

Nutranal Alarm Computer Center, Inc. P.O. Box. 12,520 Sanza Ara. CA 92712 (714) 834-1208 (800) 854-3392 (Outside CA) (213) 687-3917 PAX (714) 543-6719 N.A.C.C. signopolete all service U/ NACC, signomolete al service U/I monitoring cegital station for licensed claim. the rotting central state of the consentral distribution of the collection of the co computer sys

National Guardian Security Svc. Corp. Suire 550, 155 S. 5th Ave. Minieapals, MN 55401 (612) 336-4377 FAX (612) 333-8358 Key Personne: Craig Leiser, VP Dealer Ob. Sherri Wargin, Office Supv., Becky Smithwick, Dealer Supp Dealer Support Size.
National Guardian dealer aperations has served the monitoring needs of dealers and their customers since 1977. We offer selected haidware purchase and marketing assistance to dualified dealers

Security Central

Statesville, NC 2867, 17041 872 9857, 180 Statesville, NC 28677
17041 872 9857, 1800; 438-4171
EAX: 1704) 878-0309
Key Personnel: Gayle H. Brown, Mktg. Mgr.; R. Courtney Brown, Jr., Oper. Mgr.; Security Central is a UL and FM approved 24-hour nationwide automates central station. All services are via VVATS lines, thereby maintaining lawroosts. Resident all commercial, inclustrial and policiultural arganetics are all a industrial and agricultural properties are all a part of the Security Central monitoring network Marketing, sales and technical assistance.

See ad on page 117



## **ASSOCIATIONS**

NATIONAL

American Lock Callectors Assn. Contact: Charles Chandles 36076 Grennada Livenia, MI 48154 (313) 522-0920 Members from U.S. Number of members 250

American Society for Industrial Security Contact: Susan Metricove 1655 N. Ft. Myer Br., #1200 Adingron, VA 22209 1703; 522-5800 FAX: 1703; 243-4954 Members from: Internationally Number of members: 25,000 Number of members: 25,000

Associated tocksmiths of America (ALOA) Contact: Charles Gibson, Jr. 3003 Live Cock St. Dallas, TX 75204 (2141827-1701 FAX: (2141827-1810 Members from 50 states and foreign Number of members: 10,000 Meetings: July 915, 1995. ALOA 195 Orando

Builders Hordwore Manufacturers Assn. Conract: Perei Rush
355 Lexington Ave
New York, NY 100 / 7
[212] 661-4261
FAX. [212] 370-9047
Members from: worldwide Number of members; 80 Meetings: Annual Mfg. October, Spring Mfg. April.

The Door & Hardware Institute Contact. Richard M. Hornaday 14 i 70 Newbrook Dr. Channilly, VA 22021-2223 i7031 222-2010 FAX: (703) 222-2410 Wembers from International Newbers of months. 6 000 Members from International Number of members 6,000 Meetings - Trace Show, Door & Hardware Inst. Annual Convention, October 14-17, 1995 San Antonio, TX

Institutional Locksmiths' Assn. Contoct: Luke Dennis P.O. Box 8.10 Accokeek, MD 20607 [800] 955-1200 Members from: Internationally Number of Members, 600 Meetings: Voried Trade Show: 1996, ILA Conference

tock Museum of America Contact Thomas Hennessy P.C. Box 104 130 Main St Tenyville, CT 06786 (203) 589-6359 Te & Fax Members from Worldwide Number of members, 600 Meetings: 1st Friday of the month.

National Burglar & Fire Alarm Assn. Contact: Tray Talbert 7101 Wiscons n Ave. Suire 901 Berhesda, MD 20814 [301] 907 3202 FAX [301] 907-7897 Members from: mallonwide Mentions from Indicorporate
Number of members: 3,500+
Meetings: Quarterly
Trade Show: NBFAA Annual Meeting, May
1995 National Locksmith Automobile Association

Contact: Marc Goldberg 1533 Burgundy Parkway Streamwood, IL 60107 1708| 837-2044 FAX 1708| 837-1210 Members From Internatio c Goldberg See ad on pages 80-81

Nationa Tocksmith Suppliers Assn. Philodelphia, PA 19103-1498 1215/564-3484 PAX. (215) 564-2175 Members from U.S., Canado Number of members: 150 Meetings April/May

National Safeman's Organization

National Sateman's (N.S.O.)
Contact: Merc Goldberg 1533 Burgundy Pursway Streamwabb, IL 60107 1708|837-2044 FAX 1708|837-1210 Members from internal and Number or members: 1,500 Number or member or

See ad on page 144

Safe & Vau i Technicians Association (SAVIA) Contact - Maurice Jones 3003 Live Ook Street Ballas, TX 75204 [214] 821-7233 [214] 827-1810 Number of Members 300

Security Industry Assn Contact: John Galarte 1801 K Street, NW Suite, 12031 Suire 12031 Washington DC 20006-1301 (202) 466-7420 FAX 1202) 466-00 0 FAX 1202 Nationwide Members from: Nationwide Number of members: 250 Meetings: 3-4 times a year Trade Show Irr'l Security Conference & Expo,

ARIZONA

ARIZONA Grand Canyon Chealer, ALOA Centact Lear Burge 850 E 24th St. Yuma, AZ 85365 (602) 726-8643 FAX: (602) S43-0033 Members from AZ Meetings Quarterly

Professional Asseniarea Professional Associated Tacksmiths of Anzona Contact: Bill Compibell 29 W. Thomas Rd., Suite A. Phoen x, AZ 85013 (602) 263-9777 FAX (602) 264-4122 Members from: AZ Number of members: 75 Meetings: Second Tuesday of the month except December. month except December

CALIFORNIA

California Assn. af Lock & Security Equipment Contactors Contact Wayne D. Mars 1100 N. Sheet #5F Sacramenta, CA 95814 1910 440-7720 FAX: 19161 448 1507 Members from CA Number of members 100+ Meetings 4 times a year Tast Surday of the mouth

California Locksmiths Association California Lacermility Association Contract: Kelly Raminez, Exec Dir. 1240 N. Jeferson St., Ste. G. Ancheim, CA 92807 (71.4):521-5000 (800):SOS-100K in CA FAX. (714):632-5405 Members from, CA Nymber of Members: 300 Meerings, Each of 12 Chapters of Fier.

L.A./Orange Counties Chapter, ALOA Contact Wynn Kessler 4009 Tayman Ave. Pico Rivera, CA 90660 [310] 692 6063 Members from Los Angeles & Orange. Counties, Colifornia Number of members 45 Meet nos. 4th Tussday Meetings 4th Tuesday

CANADA

Association of Ontario Locksmiths 2220 Midland Ave., Unit 106 Scarbarough, Ont Conoco M1P 3E6 [416] 321-2219 Members from: Ontaria (some other provinces) 8 U.S. Number of Members: 350 Meetings: 1st Thursday of month

British Colombia Looksmith Assn Assn Contact George Hawkes 637 Fine Street B.C., Qualisum Beach, Canada V9K IJI (604) 752-1312 FAX: (604) 752-1312 Members from Western Canada Number of members 1200 Meetings Quarterly

Professional Locksmith Assn. Professional Lacksmith Assn. of Alberta Contact: Wayne McMillan Bax 68060 Bannie Doon PO Edmanton, AB Canada T6C 4N6 (403) 944-9229 FAX: (403) 440-3952 Members from: AB, SK, MB, NT, BC, YT, MT Numbers of members: 342

COLORADO

Colorado Front Range, ALOA Contact: Earl Mitche 7780 VV. 88th Ave Arvada, CO 80005 [303] 424-3976

Rocky Mountain Locksmiths' Assn. Contact: Keril A. Smith, CPL 7931 S. Broadway #323 Litleton, CO 80122 (303) 347-8770 FAX: (303) 795-9585 Members from: Rocky Mountain Number of members: 115 Meetings: 1st Tuesday of the

Western Slope Locksmiths' Association 306 N. 12th St Gunnison, CO 81230 Gunnisan, CO 8 (303) 641-3940

DELAWARE

Diamond State Locksmith Association of Delaware, Inc.
P.O. Box 9536
Wilmington, DE 19809-0162
Contact, Ted Gula, Pres ; Charles Kané V.P., Ail Trout, Secretary |302| 575-0993 |Meetings | 2nd Thursday of each marth

#### DISTRICT OF COLUMBIA

Locksmirhs Assn. or Washington DC Area, Inc./ALOA Chap.No.5 Contact William J. Smith, Jr., CML 2987 Thomps Ro. Bryans Road, MD 20616 J3011 783-0145 Members from VA, MD, Dist, of Columbia Number of members. 185+ Meetings, 4th Thursday of the morth.

Trade Show, IADC Banguer, March

#### FLORIDA

Central Florida Locksmiths Assir.
Contact: Robert F. Jarvis, Jr.
2016 Woodland St.
New Smyrina Beach, Fl 32168
79041 428-7233
FAX. 19041 426-6037 (cell first)
Members from: Fl
Number of members 65
Meetings: 3rd Wednesday of the month.
Trade Show: 5.E.R.L.A.C. 194

First Coost Locksmiths Assn.
Contact, William L. Horanson
P.O. Box 26637
Jacksonville, PL 32218
J904; 743-0178
FAX: 19121 673-3784
Members from: FL, GA
Number of members, 75
Meetings: 2nd Thursday of the

Florido Alabama tockem Ih. Asan Conloct, Roy Weeks 6 Comet St., SW Ft. Walton Beach, Ft. 32548 (205) 943-4291 Members from: No. Ft., So. AL Number of members: 3.5 Meetings: Quarterly Trade Show SERLAC,

Floride East Ceast, ALOA Contact: VVIII am Wark noon P.O. Box 060238 Pam Bay, FL 32906 14071 729-9598 Members from East coast of FL Meetings: 3rd Sunday of the month.

Flor da West Coast Locksmith Associ-Centant Carbon Babineau 3245 Bay to Bay Blvd. Tompa, FL 33629 [813] 837-2898 Members from West coast of FL Number of members 30 Meetings 3rd Thursday of the month.

South Florida Chapter, ALOA Contact Donald Benaclough 6414 Pemaroka Rd. Miramar, FL 33023 13051 962-4535 FAX 13051 989-7735 Members from: South FL Meetings: First Thursday of the month

South Harida Locksmith Assn.
Contact: Christine Partier Busch
P.O. Box: 14322
Ft. tauderdale, Ft. 33302
13051681-6872
FAX. (305) 681-7646
Members from: Dade, Broward,
Palm Beach, Monroe Caurity
Number of members: 150+
Meetings: 3rd Thursday of the
month

State of Florida Board of Loaksmiths, Inc.

Contact: Kathleen Reynolds P.O. Box 215 Sankord, FL 32772-0215 14071 322-47-57 Members from FL Number of members: 66 Meetings: November, February, May

#### GEORGIA

Dixie Locksmith Assn.
Contact Sara Smith
129 Sunset Lane
Alberty, GA 31705
1912) 888-7233
Members from GA, TNI, AL, FL, VA
Number of members 123
Meetings 1st Saturagy of
even months.

Georgic Chapter, ALOA Contoct: 8.22 Whitmon P.O. Box 48088 Alanta, GA 30362 (404) 455-6244 FAX, 1404; 455-8080 Members from: GA Number of members, 187 Meetings: 3rd Salurday of every other months

#### HAWAII

Hawari Chapter, AICA
Contact Thomas Contact Thomas Contact Thomas Contact II 9 19 19 H. Weaver Rd., Sto., 113
Ewa Beach, HI 95706
1805) 659 0332
Members from 1H
Meetings, 2nd Wednesday every other month.

#### ILLINOIS

Illinois Locksmiths Association Couract, William H. Pulley, CRL

Continued on page 38



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#### Continued from page 36

71120 E. Park 71120 E. Rafk Taylorville, IL 62568 (217) 8248696 Members from: IL IN, MO Number of Members, 30 Meetings. 1st Sunday of each month

Greater Chicago Locksmiths Assac. Contact: Kathy Zarriolo, Pres. 6216 W. North Aye. Chicago, IL 60639 (312) 622-0944 FAX: (708) 366-2094 Members from: IL, IN, WI Number of members: 120 Meetings 1st Wednesday of each month fexcept July). Trade show: GCLA Midwest Trade Show, March 1995

INDIANA

ssociated Locksmiths of Indiana P.O. Box 2714 Indianapolis, 1N 46206 Members from IN Number of members 50+ Meetings: 3rd Wednesday of the month. Central States Locksmith Contact: David Kerr Contact: David Kerr 6 Carol Ct. New Albany, IN 47150 1502) 244-7077 FAX: (502) 244-7076 Members from: No. KY, So. IN Number of members: 25 Meetings: 3rd Wednesday of the month. month

Northern Indiana Chapter, ALOA Contact; John Boyer 543 Pike St. Wabash, IN 46992 (219) 563-1998 Members from: No. IN, So. M. W OH. Number of members: 20 Meetings: 4th Tuesday of the month.

Southern Indiana Chapter, ALOA Contact: Lloyd Graham
P.O. Box 133
Huntingburg, IN 47542
(812| 683-4811
Members from: Southwestern Central Indiana Number of members: 20 Meetings: 3rd Sunday every other month

IOWA

lowa Locksmith Assn. Contact; Kenneth Novey Contact: Renneth Novey 125 School St. Marien, IA 52302 (319) 377-4295 Members from: IA Number of members: 75 Meetings: Second Sunday every other month, Trade Show: MINK, September.

KANSAS

Great Plains Locksmith Assn. Contact: Denise Dovidson 1715 Ave A Dodge City, KS 67801 (316) 225-1701 Members from: KS Number of members: 34 Meetings: Brimonthly. Trade Show: January

Karisas Chapter, A.OA Contact: Elvis Hammerschmidt, CPL Confect: Chris Hammerscr 706 Allen Hays, KS 67601 (913) 625-3969 Members from: KS Number of members: 22

KENTUCKY

Central States Locksmith Association Contact: David Kerr 6 Card Ct. o Cara Ct.
New Albany, IN 47150
(812) 948-0569, [502) 244-7077
Members from: IN, KY
Meetings: 3rd Wednesday of the month.

Kyona Chapter, ALOA Contact, Ken Schwedler, CML 206 N. 4th St LaGrange, KY 40031 15021 222-1955

LOUISIANA

Ark-La-Tex Locksmiths Assn. Contact: Darlene Hays P.O. Box 44337 P.O. Box 44337 Shreveport, LA 711344337 (318) 222-8864 FAX: (318) 221-8378 Members from: LA, TX, AR Number of members: 78 Meetings: 2nd Tuesday, every other month.

Louisiana-Wississippi Locksmith Assn. Centaet: Donald Rule', CML 2314 Turkey Creek Rd. Starkville, MS 39759 1601) 324-2658 Members from. LA & MS Number of members : 160 + Meetings: March-Oct. Trade Show: October 1995

MAINE
Pine Tree State Locksmith Association
Contact: Mourice Robichaud, CPL
79 Chestnur St.
Lewiston, ME 04240
[207] 784-5085
FAX: [207] 782-2415
Members from: ME
Number of members: 92
Meetings: 2nd Tuesday of the month

MARYLAND
Maryland Locksmith Assn.
Contact: Bob DeWeese, CPL
P O Box 12398
Balto, MD 21281-2398
[410] 633-2994
Members from: MD, DC, VA, DE, PA
Number of members: 125 Number of members: 125 Meetings: 3rd Tuesday of the

MASSACHUSSETS

Massachusetts Chapter, ALOA Contact: Robert Whitmarsh Contoct, Robert Whiting 200 Weir St. Tourton, MA 02780 508| 823-4649 FAX: ISO8) 880-6385 Members from; MA Number of members: 50 Meetings: 2nd Monday of September, December, March, June.

Mossachusetts Locksmiths Assn. Inc. Mossachusetts Locksmiths Assa Contoct: Mario Lituri P.O. Box 2384 Woburn, MA 01888 (617 893-2117 Members from: Springfield MA to Cape Cod Number of members: 260 Meetings: 2nd Wednesday & 3rd Wednesday



Integrity Ingenuity...security solutions.

Trade Show: Massachusetts Locksmiths Assn. Mini Show.

Mossochusetts Locksmiths Association, Central Group Contact, Séth Deraerian P.O. Boy 262 P.O. Box 262 Worcester, MA 01613 (508) 757-1434 Members from central MA Meetings; 3rd Wednesday of the month

MICHIGAN

locksmith Security Assn. Contact: Salvalaire Dulcamaro, CML 19559-14 Mile Rd. Clinton Twp., MI 48035 Clinton Two . MI [810] 791-5416 Members from: M Number of members: 100 Meetings: 1st Thursday of the month, except July and August.

Southeast Michigan, ALOA Contact, Ocorge Guffey, Jr. 5504 Schaefer Dearborn, ML48 L26 (3 L3) 58 L8440

MINNESOTA

Minneson Chapter, ALOA Contact David Dalby 14251 Fisher Ave, NE Prior Lake, MN 55372 16121 894-1700 AX: (612) 894-1850 Number of members: 85 Meetings: Is Wednesday of the

MISSOURI

Galeway Locksmith Association Contoct: Joe Clements Box 63 | 28

St louis, MO 63163 (314) 865-2242 Members from: MO & IL Number of members: 47 Meetings: 3rd Sunday of month

Missauti-Konsas Locksmith Assoc. Cantact: Ron Barron, 2405 SW Duncan Dr. Tapeka, KS 66614 19131 271-5212 FAX-1913) 273-4719 Members from: MO,KS Number of members: 150 Meetings: 2nd Tuesday of the month.

MONTANA

MONTANA
Montana Chapter, ALOA
Contract: Terry Weggeland
715 West Montana
Kal spell, MT 59901
(406; 755-4920
FAX, 1406) 755-4921
Members from: MT, BC, Canada
Number of members; 96
Meetings: Every 3 Months
Trade Show: State Convention, June

Montano Locksmith Assn. Contact: Ella Gaffaney 1805 Highland Helena, MT 59601 1406) 443-5583 14061443-5583 Members from: MT, ID, WY, Canada Number of members: 36 Meetings: semi annually April 1994. Kalispell, Montana 11th Annual MIA

NEBRASKA

Nebraska Chapter, ALOA Contact: Bradley N. Bougen 3 Durwood In.

Hastings, NE 68901 (412) 463 6661

Nebroske Locksmiths Association Contact Keith Delana, CPI P.O. Bex 145 McCook, NE 69001 [308] 345-6174 FAX: 1308) 345-6174 FAX: 1308) 345-6040 Members from: NE, KS, IA Meetings: 4th weekend of Jan., Apr., July & Trade Show MINK October 6-7, 1995.

**NEW HAMPSHIRE** 

New Hampshire Locksmiths Assn. Contact: Ropert Wyman, I Sammersworth, NH 03878-0831 (603) 692-6578 Members from: NH, MA, VT, ME Number of members: 65 Meetings: 3rd Sunday of the month

**NEW JERSEY** 

Master Locksmith Association of New Jersey Contact, Steven Frei, CML, Presidem Contact: Sleven Frei, CMI, Presidem
P.O. Box 244 1
P.O. Box 244 1
[201] 267-8884
FAX: [201] 538 2248
Number of members, 60+
Meetings: 3rd Monday of the month
Prode Show: MLANJ Show, March 30 - April
2 1995

New Jersey Locksmiths' Assn. Conlact: Ray Favacci, Jr. P.O. Box 941 Piscalaway, NJ 08854 1908| 780-1550 FAX: (908) 780-1553



ASP Covers the World of Auto Locks

Number of members: 50 Meetings: 2nd Wednesday of the month, September thru June.

South Jersey Locksmith Assn. South Jersey Locksmith Ass Cantact: Gene Georgie 239 Rhode Island Rd. Brown Mills, NJ 08015 J609 893-5596 Members hom: NJ, FA Number of members as Meetings: 4th Tuesday of the month

NEW MEXICO

New Mexico Chaptor, ALCA Contact: William Fodgen 4200 Wyoming Blvd, NE Albuquerque, NM 87111 [505] 293-6555

New Mexico Locksmiths Assn Contact: Steven Highland, C.M., 10401 Del sado Pl., NC Albuquerque, N.M. 97111 1040 FUELSOON, NE Albuquerque, NM, 87111 1505; 8840046 FAX: 1505; 8842166 Members from: NM, TX, CO, AZ Number of members: 192 Meetings: Central Chapter 1st Friday of the month SE Chapter Guarterly Trade Show INMLA Annual Convention

Centra New York Locksmiths Asen Contact: Jack Murphy 5850 E. Genesee St Fayerleville NY (3.15) 446-9560 Members from; NY, PA. Canada

Number of members: 80+, Meetings, 3rd Sunday of the

Nassau Suffelk Moster Nassau Suffok Moster Locksmith Assn. nc. Contact Gregory Scala 112 Broodway Amityvi le, NY 1170 | 1516) 691-5837 Members Itom Nassau County & Suffok County Number of members 147 Materiats Local County Meetings Tost Eleaday of the New York Master Locksmiths Association Corract, Brion Star 1558 Second Ave. New York, NY 10028 [212] 988-9192 Manipers from New York City Number of members 60 Meetings First Tuesday every month.

NORTH DAKOTA

NORTH DAKOTA
North Doketa Chicater ALOA
Compar. Todd Ladwig
1102 Main Ave
Farge, ND 58 103
1701; 232-9440
FAX: 1701; 232-9446
Members from NID, NW MN
Number of members 18
Meet ness Counteds

Northern Pramie Locksmith Associ 83 S. Terioce Forgo, ND 58 102 |701 | 232-8579

Ohio Valley Chapter, ALOA Contact: Dave Schrigen, CML

2061 Beechmont Avo. Cincinnoli, OH 45230-1664 (513)232-2424 FAX: [513)232-0085 Members from OH, KY, IN Number of members: 30,40 Meetings: Ist Wednesday of the

**OKLAHOMA** 

OKLAHOMA
Oklahomo Master Locksmith Assn.
Contact: A. B. Parker
415 Woodland Dr
Midwest City, OK 73 130
1405/732-8088
FAX (405) 741-9001
Meetings: Guarterly 3rd weekend.
Members from: AZ, AK, CO, OK, TX, MO.
Number of members: 198

Diegon Association of Professional OAFL Orego Locksmilles Contact: Bonnie Swanson (503) 928 9417 20 Wednesda Meetings: 3rd Wednesday of each month.

Pocific Locksmitri Association Contact: Stan Houer, CPI P.O. Box 68 Dallas, OR 97338 (503) 325-6003 FAX (503) 325-6003 Members from: OR & Northwest Numbers (131); OK & Nichtwest Number of members; 100 Meetings: 4th Tuesday of month Trade Shaw INW Tr Regional Locksmith Conference in Porland, OK Oct. 16:22, 1995

PENNSYLVANIA

Greater Philippelohia Locksmith Assn. Centact: Bob Mock Control that Moor FO Box 101 Philodelphia, PA 19136 16091 665-3386 Members from: PA,NJ,DE,MD,VA,KY,NY Number of members 195 Meetings: 3rd Monday of month

Neystone Grain Chapter, ACC Cantact Barry K. Leos P.O. Bicx 26.1 Eagleville, PA. 19408-026.1 I6101-650-929.2 FAX. (6.10)-650-929.3 Members from: PA. Number of members: 40. Meetings: 3rd Leospe, of the Meetings: 3rd Tuesday of the month

Western Pennsylvania Locksmith Assn. Contain Lea S. Franski 1009 4th Ave. Coreopalis, PA 15108 [412] 202:5625 Members from VV PA Number of members 75 Meetings: Ist Wednesday of

RHODE ISLAND

Locksmith Association of Rhode Island P.O. Box 918 1 Providence, R.I. 02940-918 1 Contact: Tom Pallotal, Pres [401] 944-9977

SOUTH CAROLINA
South Carolina Locksmith Association
Contact Jeonie Griggs
P O Box 264
Camden, SC 29020
[803: 432-8099]
FAX: 18031 424-0450
Metripers from SC, NC, GA, TN
Number of members 185
Meetings Quarterly, Lost full weekend of jan,
Apr. July, Oct



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TENNESSEE

East Tennessee Lacksmiths Association 201 W. Main St. Johnson City, TN 37604 [615] 928-0926

Middle Tennesse Locksmith Association Confoct, Keir Adams P.O. Box 733 Antoch, TN 37011-0733 (615) 896-0191 Members From; Stalew de Tennessee Number of members; 35 Meetings; 3rd Sunday of month Trade Show; August 1995

Smokey Mountain, ALOA Contact, Marian M., Swann, CR., P.O. Box 52923 Knaxville, TN 37950-2923 (615) 522-0841 (615) 453-7718-FAX: (615) 546-1046 Members from East TN Number of members 75 Meetings, ist Saturday of month Meetings, ist Saturday of month

Tr-State Locksmith Association Collate Lohn Singleton 1251 Wellsville Rd Memohis, TN 38117 1901) 685-1196 Memoers from TN, MS, AR Number of members 8 Meetings 1st Tuesday of each month

West Termessee Chapter, AtOA Corract: Pat Walker 1643 Bartert Rd Memohis, TN 38134 1901; 372-7464 FAX: 1901) 372-7464 Members from: W. TN, E.AR, No. MS Number of members: 30 Meetings, 2nd Thursday of the month

Greater Houston Locksmiths Assac.
Contact: Poul N. Cheatham III
1100 Blackhow
Houston, TX 77079
[713] 493-4855
FAX. [713] 293-7107
Members Indian Greater Houston metro area Mambers from Greater Housing mer and surrounding counties. Number of members: 170 Meetings: 2na Tuesday of each month. Trade Show: GHIA Trade Show

Locksmith Association of San Antonio.
Certact: Warda Robbins
P.C. Bax 21156
San Antonio, TX 78221
(2101923:4381
FAX: (2101977-8398
Members from Greater San Antonio area
Number of members 120
Meetinos, 2nd Thursday, of mouth Meetings 2nd Thursday of month tackfest August '94

Northeast Texas Chapter, ALCA Cortact L.A. Parry

1106 S. Main, Suite 3 Duncarville, TX 75137 (214) 296-6602 FAX: (214) 296-6785 Members from Northeast TX Number of members, 220 Meetings: 1st Tuesday of the models

Texas Locksmith Association Contact: Bulch Tilus
28 13-8 East Southeress
San Antonio, TX 78223
7210| 532.8889
FAX | 216| 532.2 19
Members from: all over the SVV US Sumber of members: 800

Green Moumain Locksmiths Assn. Inc. Contact: Dick Grent 4 Renkin Dr. Cochester, VT 05446 18021 655-7450 Members from: VT, NH Meetings: every other

VIRGINIA

Institutional Locksmiths Association Contact Like Deniis Pres 1402 Dorene Ct., Members from: Internationally Meetings Varies

WASHINGTON

Northwest Locksmith Assn. Contact: Horold L. Harsford 702 - 1891: St. Ct. E

Spanaway, WA 98387-8342 (206) 846-1570 FAX: (206) 846-2291 Members from: WA, OR, AK Number of members: 350 Meetings: 3rd Tuesday Trace Show: TRPRegional Locksmith Conference, 3rd week of October

WISCONSIN

W sconsin locksmith Association Contact Dennis Jahnke 95124 W. Howard Ave. Mi waukee, WI 53220 [414] 327-5625 Members from nationwide Number of members 37

WYOMING

Wyoming Locksmith Association Comact: Gene Ficek, CPL Carract: Gene Freek, Cri. 521 Main St. 521 Main St. 52783 (605) 642-4542 (605) 64

Wyoming Locksmith Assn., AIOA Conloct, Allen McCumber 1026 Alger Ave. Cody. WY 82414 (307) 587-3035 Members from; WY, NE, SD, Number of members: 45 Meetings: Quarterly





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FAX: 1800; 598-2865
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Electronics (Entragolard): Mircom (intercoms &
nursecal systems). West Pern Wire.
Aflas/Soundal et (speakers & accessories).

City Lock Supply
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Bouldin, CO 80301
13031 4444407
FAX. (303) 442-9380
Key Personnel Jefrey Rosen, Pres.
Factory distributor of Silco key machines and lee/bonks. Paren Cable matrising machine and power tool line, Marks institutional and decorative about hardware, Keypunch key machine, liaspitality special ties.

Clark Security Products
7140 Engineer Rd.
Son Diego, CA 92111-1491
(800) 834-2088 (Son Diego, CAI;
(800) 282-5625 (Denver, CO)
(800) 775-5625 (Phoenix, AZ),
(800) 245-3003 (Sacramenro, CAI)
(800) 942-5275 (Seattle, WA)
(800) 578-5625 (Janham, MD)
(800) 889-5625 (Janham, MD)
(800) 889-5625 (Janham, MA)
(Rey Personne: Marshall Memilield, Pres
Clark Security Products is a wholesale distributor of lacksmith supplies stocking over 30,000 (Jems from more than 250 manufacturers. Clark recently published at 1200 cage illustrated catalog. Clark guarantees 100% same day shroment of all orders called in by 5 p.m. and call backs on all shorts.

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Newington: VA. 22122
17031-550077-1800-732-91-17
1AX. 17031-550-8857
Key Personnel: Gary Baldino, G.M. Don
Dossing. Sales
Supplying: Ico, Yale, Ruthertaid Controls,
Amsec, American Podlock, ASSA, Indicon,
Arrow, DOM and much more.

Commerce Reso, ces International 3342 Metrose Ave INW Roanoles VA 24017 17031 772-3084 FAX: 17031 345-7640 Key Personnel William Guyer, Pres., Jarry Rand, VP Sales Commerce Resources international is the exclusive distributor of the SAFETY-VEW door viewing system. With a viewing range of 170 degrees. SAFETY-VEW gives a room occupant a full and clear view of the person attempting to goin entrance to your home or office. SAFETY-VEW was developed in the farmer Soviet Union for use by the KGB and Soviet Military Intelligence.

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Cook's Building Specialties, Inc. 2441 Menau Blvd., N.E. 87107 P.C. Box 37320 Albuquerque, NM 87176-7320 (505) 883-5701 FAX (505) 883-5704 Key personnel: Far Mares, Purch. Agr.; Max. Mailony, Purch. Agr.

Cook's Supply inc.
1An ISDA Company!
4770 fox St., Unit 13
Denver, CO 80216
1303; 294-0567 (8001 445 4008
FAX 1303) 292-4569
Key Personnel Jack Dunn, Pres., Paula Bell, Buyer Don Davis, Sales
Cook's Supply is a Distributor for all major lines of looksmith supplies and door hardwate. Also marketing the ISDA brand of products which is sold only through looksmith dealers. We enjoy our reputation of offering quality service, same

Continued on page 50

day shipping, and knowing that "No Locksmith is too small."

Craltmaster Hardware Co. Inc. 134 Liberty St. Hackensack, NJ 07601 |800| 221-3212, (2011-646-9355 |FAX |2011-646-0181 Key Personnel: Michael Spingeld, Pres.; Anthony Coni, VP Sales. Stacking distributer of Arrow, HPC, Ilco Specializing in all types of key blanks for over 35 years. Offering the level of service only available from a third generation family owned by singes.

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FAX: [805] 928-8034
Key Personnel: Mark Primary/Diane Pirmon
Factory representatives for Borkey key machines
and alanks, as well as other European
manufacturers. Security boxes, key control, tools
and assorted locksmith needs. Lines include
ESP, EPC, Tuckyline, Keedex, Marior Mtg., Protok, Affack, ASP, Valley Forge, Vel-Key and
achesis. Service area devers U.S., Canada and
Europe

See ad on page 93

Deciguoid Systems Inc. 8970 Old Annabolis Rd., Rt. 108 Sie. C Columbia: MD 21045 1800| 442-6747 FAX: [410] 992-5694 Key Personnel: Beth Krustinsen Sales, Sonny Joson, Fres Doorguard Systems had is the originator of delayed egréss locking systems for emergency exit doors. Utilizing a 1,200 lb electromagnetic took, Occinguald aelays inauthorized use at emergency exit doors for 1,5 or 30 seconds. All products are Util sted as systems to comply with NFPA 1,01

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3.18 North Milwoukee St.
Milwaukee, VII, 53202
r8001,829-8905
FAX: (41.4),291-5687
Key Personnel, Deborah J. Pakrass, Pres.,
Andrew S. Pakrass, V.P. Oper
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hardware and security locking devices stocking
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Gloria Kuhn, Ofc. Mgr., Kelly Duron, Withs. DRK Specialties is the complete key occessory source for locksmiths seeking the latest key rings and innovations. Current best setters are the and imposations. Current best settlers are the versafile Sur Loc key ring assortment. Hide Ar-Rocks, squeeze titles and auto lago key rings. Distributor for Lucky tine, Peebee, ESP, Wer-Winds, Calif. Safe Cans and others.

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Dugmere & Duncan of FL 3222 Reynolds Rd Lakeland, FL 33803 (800) 232-1595 FAX (513) 666-5226 Rey Personnel, Gene Lavoie, Harida Br Mgr. Sarger Lock full line stocking distributor. Extensive inventory, Immediate pelikery, No. Extensive inventory Immediate cellvery, No minimum order required. Also stocking Donjo, MultiLock and 5 mplex 1000 Series.

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Electric Lock Supply 8335 S. Hindry Ave. Los Angeles, CA 90045 (800) 858-1726 FAX (310) 568-1507 Key Personnel Kenneth Strait, Fres ; Brian Gordon, Soles Mgr.; Dave Hurchson. Sales/Tech Support Wholesale distribution consultation to the access control trade. Stocking. Adams Rite, Alarm Controls, Edwards, Folger Adam, Fr. Systems, GRI, Linear, Marawave Sensors, Microstate Electronics, Modern Electronics, Monthard, Securitron, Security Door Controls, PowerSonic, Rotu, Trine, Alarm Lock, Stonley, Transcience, KeeCo., MacreOmaric, Essex, Marlok, Select. Oregan Scientific. Oprex, Locknetcs, International, Doraada, and Altronix. See ad on page 67

See ad on page 67

**ElJay Express** Wheeling, I, 60090 (708) 480 | 311 | |800| 432-1311 FAX: (708) 272-9249 Key Personnel Sales & Svc. - Jackie, Greg, Ton Computerized in lion dollar inventory permits next pay shipping of Arrow Locksets, Dorma Door Closers, H.E.S. Electric Strikes, Hager Hinges and Ives. Specializing in friendly service and great prices.

See ad on page 89

Empire Security Supplies 4600 B Nesconset Hwy Port Jefferson Stalion, NY 11776 (516) 928-1919 FAX. (5 16) 926-4745 Sey Personnel: Ira Levine, Pres.; Bab Gorman. Sales Mar Empire Security Supplies is a young and rapidly growing distributor of locksmith and horoware supplies. We have been in business for seven years, and are constantly expanding our line of manufacturers' products. We are one of the largest wholesale distributors on long Island, New York. We believe in personalized service and quality merchandise.

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34 Dunkirk Rd.
51. Calhorines, Ont. Canada L2R 1A1
[905] 682-3086
FAX. [905] 682-4744
Key Personnel: George Paparz, Bruno Papaiz. Directors.

On this Trade, Ltd., is a St. Calharines based company structed within one day's trucking to 50 percent of the North American manufacturing marker. It stocks and distributes ENIXUS so it braces padiates, furnitive locks and martine posteriors. and mortise by inders. It empys a reputation for quality and fast service throughout the industry.

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Stamford, Ci. 06905
12031; 327-0771
Key Personnel: Christopher Revibach, Owner
6. Super intrry designed to reach across the
front seat of any car without o frame around the
vindow (coupes), and operate electric or
manual lock outlens. Solins in half for storage
Full line of lockout roots available.

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Express Hardware 1203 S. Northwest Hwy Bailington, II, 60010 (800) 323-7447 AX, [208] 381 7199 Key Personnel: Steve Yellin, Pres. Express Hardware is a full line supplier of

Continued on page 52

Schlage, Von Duprin, Baldwin, Nation and Hager products.

Fairway Supply Inc 4303 Dacoma Hauston , TX 77092 (713) 957-2160 WATS: 1800) 767-FAIR FAX: (713) 957-2122 Key Personnel , Don Bradford, Pres.; Bob Conley, VP; Rick Gummelt, VP

hastrock Mardware, Inc.
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Brockheld, VVI 53005
1800; 458-8707
FAX: 1414; 781-4232
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Full line distributor of Yale products. Yale locks, keyblanks and cylinder plugs in stock for immediate shi prinent. If you need Yale fast, get on the right track with Fastrack Hardware, Inc.

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Syracuse, NY 13203
[315] 472:6988, (800) 447:0591 (E)
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VP, Hope Tucker, Safe Sales.
We specialize in Sales. Safe Locks, Safe Paris, and Safe Moving Equipment as well as

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[BOOJ 523-2924 (Nar'l.)
FAX: [215] 523-1255
Key Personnel: Alex Ebrahimzadeh, Pres.
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We offer same day shipping on a full range of instock items, including locks, padlocks, key blanks and machines, door closers, exit devices, safes, moil boxes and ADA approved hardware.

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322-324 W. Front St Planfield. NJ 07060 1908/ 753-1343 (In NJ) 1800/ 544-0616 (outside NJ) FAX: 1908/ 753-2040 Full stacking Distributor of Briggs & Strattan, Auto Security, All-Lock, Arrow, Carbin Russwin, Schlage, Sorgent, Yale, Master, HPC, Jet Keyblanks, American Padlack and Ives. See ad on page 58

Gil-Ray Tools, Inc.

1306 McGraw St.
P.O. Box 801
Bay City, MI 48707
(517) 892 6870
FAX: (517) 892-6870
Key Personnel: David J. Deuel, Fires ; Laurie.
Bedell, Cust. Svc. Mgr.
Gil Roy Tools Inc. has manufactured premium
h gh speed steel key machine steel cutter wheels
since 1945. New cutters are available direct to
the locksmith through their free catalog and are
also available through selected distributors. GilRay Tools offers a dependable maillin cutter

sharpening service. See ad on page 76

Grace's Wholesale & Supply Div.
214 East 2 St.
Hastings, NE 68901-5217 USA
1402; 462-2737 (1 9 PM CT)
Key Personnel: H. Roger Grace, Prop.
CCL Security Products, Circle-Ess key machines,
Ilco Lock Co. products, LAB pins and kits, locks,
parts, key blanks and loofs stocked. Also, new
and resharpened cutters. Resharpened cutters
on exchange basis or outright sale.

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(508) 755-5815, 1800; 333-3933
FAX: (508) 755-6584
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Grandview Hardwore Co 525 W. Seneca St. Ilhaca, NY 14850 (607) 273-0526 Distributors of Boldwin mortise locks and decorative hardware.

Great Lakes Lack Distributors 2310 State St Erie, PA 16503 (814) 459-0546, [local] (800) 543-8837 FAX: (814) 456 1542 Key Personnel John Carrieval, Owner; John Carneval, Jr., GM, Joe Carrieval, Sales We represent over 30 manufacturers including: Abus, Detex, ESP, LCN, Lari, Master, Medeco,

Continued on page 54



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Columbus, OH 43201
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FAX (614) 299-08.72
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Litteton, CO 80120-2054
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FAX [303] 794-3703
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E. Pase, TX 79922
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FAX, 1915; B33-7770
Key Forsannel: Bill Uhling. Rita Craft
"flaward Sales Comodiny is a moster distributor to Scripent & Greenleaf, HPC, Dorma Coor
Controls, Simplex, & HSC high security, hasps.

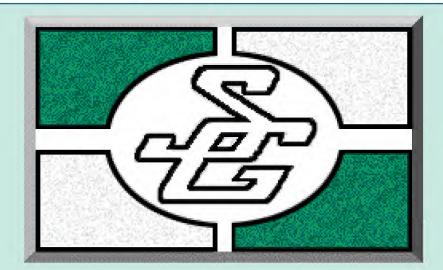
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1215; 925-5300, [800]; 346-9464
FAX: [215] 922-65.52
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Stacking wholesale distributor of Schlage,
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Von Duprin, Adams Rite, Arrow, Ilco, National,
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FAX; 1615; 885-9903
West: 1140 Nonh Kraemer Pl
Anaheim, CA 92806
(714) 6660390
1800; 544-4422
FAX; 1714; 666-2215
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FAX: [808] 946-6480
Key Personnel, Icon Wolfley, Pres.: Barbara Wolfley, VP
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San Antonio, TX 78228
[512] 734-6165
FAX: [512] 735-2248
Key Personnel: Joe Sulsar, Owner
Fatablished 1965 - Locks and Locksmith
Supplies - Abloy, Adams Rite, All Lock, Chicago
Lock Co., Donijo Mfg., Falcon, HPC, Ilco Key
Machines, Ilco keyblanks, Lon Corp., Master
Lock, MAG, National Cabinet Lock, Rytan,
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Chicage, I. 60634
[708] 456 9600 (Local)
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(800) 428-9313
Kansas City, KS
(800) 526-5897
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(800) 334-5625 [CA],
(800) 334-5625 [CA],
(800) 334-5625 [CA],
FAX: (800) 334-5635
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A.T. Jones & Son 1456 Broadway Detroit, MI 48226 (313) 965-1455 (800) 735-4570 FAX: [313] 965-1093 FAX: [313] 965 1093
Key Personnel: John Dunn, Sales, Bob Valger, Sales; Borbara Hoskell Sales
A.T. Jones & Son serving the locksmith since 1904. Représenting Adams-Rite, Arrow. Baldwin, Chicago, Carbin Cabiner, P&F Corbin, Delex, Dexter, Donijo, Folget Adam. Glynn Johnson, Hager, HFC, Ica, Illinois, ICN, Master, Medeca, National Lock, National Guard, Risson, Rofu, Sargent, Schläge.

See ad on page 70

See ad on page 70

929 VVijiden Ave. Scotoorough, Onterio Canada, MTL 4C6 1416; 752-7210, 1800; 268-5791 FAX, 1416; 752-3845 Key Personnel Teonard J. Passarello, CP<sub>2</sub>, Key Personnel Teonard J. Passarello, CP., Pres. Your Lull line, one stop distributor. We offer one day, fast, dependable service. Stacking over 200 different lines of both US and Canadian manufacturers, we offer what others can't-a reputation built on quality service. Our USCAN products guarantee competitive pricing and our persono ized service remains unchallenged in today's market.

K & K Lock and Supply, no 20 N. Central Ave Upland, CA 91786 1909| 9200023 |800| 233-7772 FAX: 1909| 9200462 Wholesale distributing of locksmith tools and supplies, security hardware and builders hardware, cuto ooks and full line of lock

K-D4 Hardware Supply Inc. P.O. Box 21226 Seattle, WA 98111 (206) 6827383 (206) 682/2383

KDL Hardware Supply Inc. It has been in the security hardware business ance 1919. We distribute products from over 200 manufacturers. In 1985, we joined the "USCAN" distribution network which provides the apportunity to outchose at most competitive pricing. Competitive pricing. Competitive pricing and great service have been KDL hade marks.

Kenco Supply Co. 2531 North 85th St.
Omaha, NE 68134
18001 228-2266, 1402) 397-8291
FAX: 18001 228-4175
Key Personnel: Charles Kent, Pres., Robert Kent, VP; Steve Thill ander. Warehouse Mgr.
At Kenca, we offer a nice catalog just a phane call away. We also have no minimum order and we are a full line distributor offering

12,000 different items. At Kenco your satisfaction is our most important goal. Kenco, where we haven't largotten that service is

## See ad on page 148

Key Hardware Co Div. of Robert Skeels & Co. 3243 San Fernando Ro Ios Angeles, CA 90065 (310) 639-7240 FAX (310) 639-7569 Key Porsonnol: Lesser Jardan, Pres.; Kenneth Jordán, Vica Pres. Seguna the lecksmult industry for more than 7 Serving the looksmith industry for more than 70

Key Mart Inc.
3171 S.E. Daminica Terr
Shuart, Ft. 34997
(407) 283.8029 [Ft]
(800) 228.7755 [USA]
Wholesale distributors for padlacks, entrance locks, key blanks, miscellaneous hardware targe inventory of fratel keys. No minimum orders on notel keys.

Keys Plus Distributing Keys Plus Distributing
454 Young St.
Janewando, INY 14150
1716; 743 0220
Key Personnel, Paul J. Ferretti, Owner
Keys Plus Distributing was established in 1990
with customer service being their number one
promy. The main product lines consist of jet,
Sirka, Ferom, tucky Line, Specially Products, ESP
and Cale und Cale

Key Sales & Supply Co. 9950 Freeland Ave. Detroit, MI 48227 1800] 445 KEYS FAX: 1313) 931-7758 Key Personnel, Sheldon Wiener, Pres.: Michael Wiener, VP Full line stacking distributors of key blanks, key machines, lacks, lacksmith supplies and

San Francisco, CA 94103

Keys Wholesale Distributors P.O. Box 498 Drexel Hill, PA. 19062 (215) 626-4787 (Offic) (800) 292-5397 (Order Desk) Key Personnel: Bill Kline, Owner, Dottie Kline, Owner Notionwide distributors of "Mace" self-protection products. Key blanks and machines by E.S.P., ILCO, Silca, Starland Taylor, Key by E.S.P., ILCO, Silca, Stat and Toylor, Key cobinets & security boxes by Buody Profilmaking accessories by Keydex, Lucky Line, Statiett, Supercoil, Perry Blockburne, textington Brass and others. Order by 3 PM and get same advishipping!! Cutter wheel sharpening.

Keystone Safe Distributors Keystone Safe Distributors 625 South Eightin St.
Philade phila PA 19147
1800; 755-289'S
FAX: [215] 627-6419
Key Personnel: Eaward C. Domisch, Pres.;
Keystone Safe & Equipment Wholesalers are exclusive distributors of the Keystone "Protector," and two hour tire safes and computer safes and the "Keystone Viking" buildary resistive fire safe. Distributors of other selected safe manufacturers.

Kalson, Iria 653 Middle Neck Rd Great Neck, NY 11023 1800] 783-1335 FAX: 1516] 487-1231 Key Personnol Addia Firin, Wholesale Mgr.; Sandy Lamberg, GM.

Distributors nationwide of decorative hardware. both accessories and failness

LfeSaver Protection System 35246 U.S. 19 North #123 Palm Harbor, FL 34684 [8131756-6256 (800) 568-8960 Key Personnel: Neol Allen, Starr Allen National representatives to professional lacksmiths for Protect wireless security a arms. Alarms work by infrasoric sound and volumetric pressure and do not involve any form of motion detection. No installation required, remote arm/disarm, optional manifering and more. Quality made in the USA

Lock Supply Co., Inc. 3615 Nr. 7th St. Phaenix, AZ 95014 1602| 263 5286 (800) 525-3131 (W) FAX: 1602| 241-0249 Key Personnel: Par Danahue, Br. Mgr. Large selection of locks, parts, key machines

Lockmasters Inc. 5085 Darrylle Rd Nicholasvi le, KY 40356 9531 (606) 885-6041 FAX: (606) 885-7093 Key Personnel Clayton Willer, Pres., Mark Miller, Sales Dir. tockmasters is a major supplier of safe tools and equipment. Products range from berescopes and drills to combination locks and sale deposit locks. Lockmasters is now a distributor for C

lacks Co 2050 N.E. 151 St. N. Miami, Fl. 33162 |305| 9490700. |800; 2880601 |[Nar'li FAX (305) 9493619

See ad on page 60

Key Personnel: Millon Doin, Pres., Mark Doin. VP: Mike Dom. Sales Mgr. Full line distributor with all major lines in stack. High security lines such as Medeco. ASSA, and Schlage Primus are no problem. We also have a large variety of electronic locks and entry systems. We specialize in product knowledge, door, and delivery time. stock, and delivery time

Locksmith Distributors of America,

Locksmirn Inc.
1000 S Main St.
Grapevine, TX 7505 I.
(8171421-5470.
FAX. 18171421-5468
Key Personnel: Mike Grapever, Pres., Al Hellman, VP: Virl Mullins, Sec., /Tirpas Full line stocking distributors of all major brands of data hardware and security products. Also marketing the LSDA private brand of products which is sold only through locksmith dealers. Available from these LSDA companies: Acme Wholesale, Armstrong's Lack and Supply, Inc., Carredo Lack Products Ltd., Cooks Supply Co., Hardware Sales & Supply Co., H. Hiellman Co., and M. Taylor, Inc., See ad on page 83

The Locksmith State Inc. 1229 E. Algonauin Rd., Umi E. Animator Heights, It. 60005 1708 | 364 5 1 1 1 FAX: 1708 | 364-5 125 Key Personnel, Tom Swiderek, Pres.; Jack Swiderek, Bab Szaba,

lockwise Products Inc. 2001 NW 167 St. Marni, FL 33056 (305) 625-5525 (800)447-6616 FAX: (305) 623-9564 Key Fersonnel Fred Cohen, Fres.: Parli Cohen, Sec. / Treos.; Syd Friedman, advisor. Wholesare distributors of major American lines:

key blanks, looks, looksmith supplies, door hardware, safes, and electronic security Warehouse has been expanded by 18,000 feet. Established 1943

lak-ITT Co., Inc 27000 Richmond Rd. Solon, OH 44139 [216] 349-0110 FAX [216] 349-2447 Key Personnel; Hugh J. Webster, Pres.; Jloyd Woods, OM The Column Lock - Auto Anti-Thefr Device

Major Lock Supply Moor tack supply
Div of Robert Skeels & Co.
2512 E. Fender Ave. Unit F.
Fullerton, CA 92631
12141 447-8363
EAX: 1714) 447-8393
EXX. Parcented Low Event Bree Key Personnel Lor Ewell, Branch Mgr.

Mancini Sofe Company Twin City Plaza Combridge, MA 02141 (800) 367-3453 [AX] 617] 497-7233 FAX [617] 497-7233
Key Personnel: Ivanne McGinn, Wholesale Mgr. Stephen Rancoll, Svc. Mgr.; Feter Murphy, Lacksmith Mgr. Mancini Safe Company in 1993 will be expanding their wholesale safe distribution to include fire safes, Ti-15's, Ti-30's, Ti30x6, and TRT 30x6. This line of safes is the most complete array of product available from a single supplier. Features and pricing advantages in every category will be sold thru exclusive regional distribution. regional distribution

Mayflower Sales Co., Inc. 614 Bergen St Brooklyn, NY 11238 |718| 622-8785, (800) 221-2052 FAX |718| 789-8346



The market leader in locking systems for security, safety, and control.

Key Personnel: Bill Swetow, Pres.; Harris Goldstein, VP, Brian O'Dawa, Mgr. Adams-Rite, American Lock, Arrow, Auto Security, Briggs & Stratton, Chicago Lock, Corbin, Detex, Folger Adam, Gordall Safes, HPC, Ilca, Locknetics, Lor / Kabo, Marks, Master, Medeco, Nationa Lock, Omnilock, Rolu, Sargent, Securitron, Security Engineering, Simplex, Star Safes, Yale, Full line distributors of locksmith supplies and builders hardware. Since 1917

## See ad on page 147

Maziuk & Co., Inc.
1251 W. Genesee St.
Svracuse, NY 13204
(315) 474-3759, 1800; 777-5945
FAX: (315) 472-3111
Key Personnel: Stanley Maziuk, Jr., Prés.;
Stonley Maziuk Sr., Treas.
Since 1943, Maziuk & Co. has provided personal arteriton and last service to aur customers. Over 135 manufacturers are in stock including. Alarm Lock, Arrow, Briggs & Stratton, Carbin, Folger Adam, Kwikset, Master.
Schlage, Simplex, Von Duprin, Weiser, Yale.
Maziuk & Co. is large enough to provide you with the selection and prices you need without losing the "personal touch."

## McDonald Dash Locksmith Supply,

Inc.
5767 East Shelby Dr
P.O. Box 752506-2506
Memphis, TN 38141-6804
1901 | 797-8000
FAX-1901) 366-0005
Key Personnel: Belte Arndr, Exec. VP; E.R.
Ferguson, Pres.; Jim Thomas, VP & GM; BurmaHanson, Office Mgr
Wholesalle distributors of 15,000 plus Inventory
items from more than 125 manufacturers to
locksmiths, hospitals, schools and other
institutions since 1945. Distributors of Locks,

locksmith tools, closers, exit devices, electronic security products, key machines, key blanks, technical books, etc. Some day shipment of orders in by 1:00 CT.

## See ad on page 79

McManus Locksmith Supply, Inc. 1309 Central Ave. Charlate, NC 28205 17041 333-9112 Key Personnel: John W. Dyson, Pres ; Ben-Lewis, VP, Betly Lewis, Bookkeeper/Mgr

Meister Allanta Corp 3673 Claumont Rd Allanta, GA 30341 1404, 451-9700 FAX: 1404) 451-5305 Key Personnel, Harry Dellefs, Pres, Renate Deflefs, Secty. Heavy duty strike plates HT280 and 2000

Metro Safe Co., Inc.
30845 John R.
Madison Heights, MI 48071
[313] 585-7230 [800] 541-8050
AX: [313] 585-8705
Key Personnel: Orest , Kalba, Pres : Ereney "John" Szechowycz, VP
Distributors for: Amsec, Cannon, International, Kaso, Mancini and Sale Corporation, Large inventory of used sales and parts. New 10.000 sa, ft. warehouse. Safes of all types, fire, burglary, depository, data, UL rated Ti-15 and Ti-30, Ti-30x6, TRTL-30x6. We ship anywhere in the United States and Canada.

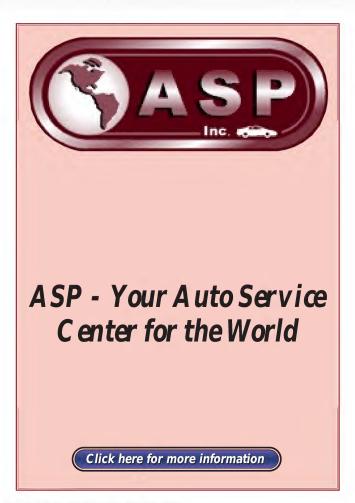
Midland Land Mobile Radio 1690 N. Topping Ave. Kansas City, MO 64120 1816) 251-8500 FAX: 1816) 920-1144 FM 2-way land mobile radio equipment and accessories, conventional and nunkea. Mcl-South Locksmith Supply, Inc. 4176 New Gerwell Memphis, TN 38118 (90117956987 (800) 238-6166 FAX (9011795-3475 Only the Snest locksmith supplies and security products.

Midwest Safe Distributors
P.O. Box 5310
Philadelphia, PA 19153
1800) 345-8653
Midwest Safe Distributors was established in 1988 to serve the locksmiths and safe aealers in the Midwest The warehouse is located in Bensenville, Illinois. Twelve models of the Diplomat Fire Safe Line are stocked and are immediately available. The safes have key and combination locks. Various lock options are particulable.

## Midwest Wholesale Hardware

5.1.2.1 Front Sr Kansas City, MO 64.120 15.00 (8.2.1.85.2.7 FAX (50.0) 6.21-65.8.1 99.7 W. Kennedy Blvd., #A.1.8 Orlando, Fl (80.0) 65.9-85.2.7 FAX: (80.0) 65.9-65.8.1 Midwest Wholesale illa oward offers a widerange of products in stock, for all your hardware needs. We stock Corbin Russwin, Schlage. Von Duprin, Folger Adam, Yale, LON, Dar O-Matic, Norton, Simplex, Tocknetics, Glynn Johnson, Markar Detex, Adams Rile, Bommer, Ives, Rockwood, Pemko, Stanley and Hayer, Call Justian fast, efficient service. See ad on page 150

H.E. Milchell Co. P.O. Box 14009 Partiend, OR 97214





[503] 236-9444, (800) 626-5625 FAX: [503] 238-5715 Key Personnel: Mike Messing, Judy Messing,

Monaco Lock Co., Inc.

AX: (800) 845-LOCK Monaco Lock Campany, Inc. is a proneer in the national whalesale distribution of electronic locking devices and door hardware. We not crity inventory the complete line from today's leading manufacturers, but have a thorough knowledge of each product and their application. Other services include same day shipping and a full line catalog. See ad on page 141

Mutual Screw & Supply 68 West Fassaic St., Rochelle Park, NJ 07662-3216

J. Nathan Hardware Specialties Inc.

Rochester, NY 14620 (716) 325-3330 (800) 634-2580 u.S. and Carodo FAX: (716) 537-1940 Key Personnel: Jim Boro, Pres., Mark Pulnam, Cust. Svc. ... "Elficient, Effective and Productive". . Service.

.. "Ethicient, Ethective and Productive". Service, knowledge, quality is our business abligation to your residential and commercial needs of looks, builders howe, and ocksmith supplies. We maintain Schloge (A Ihru S Senest Kwikser in every function, I rish and design. Complete line of Master Look and Halve. Medecc/Biaxial, Arrow. Ilco, ESP, Nati Cab., Yale, Securitian and other quality manufacturers.

See ad on page 88

See ad on page 88

The National Locksmith

The National Locksmith
1533 Burgundy Pkwy
Streamwood IL 60107
708) 837-2044
FAX: 1708) 837-1210
Key Personnel: Marc Goldberg,
Edror/Publisher; Tom Seroogy, Managing
Edror, Jeff Adair, Dir. Soles & Mktg., Deboie
Schertzing, Adv. Acct, Mgr.
The National Locksmith magazine informs you
monthly about all news and technical
information you need. We publish a series of
technical books and code backs to educate technical books and code backs to educate

New England Door Closer, Inc., 694 Union St., P.O. Box 28 West Springfield, MA 01090 [413] 733-7889 FAX (413) 731-8368 Key Personnel: R.E. Longley, Pres New England Door Closer offers repair of current and obsolute closer offers repair of current and obsolute closer closers. current and absolete door closers, is a stocking aistributor of new door closers for Carbin, Dorma, Dor-O-Maric, Jackson, Kawneer, ICN, Notion, Rixson, R&K, Russwin, Yale and have in stack many of the replacement parts needed to \*ix a doar closer problem.

New York Locksmith Supply Co., Inc., 1558-2nd Ave., New York, NY 10028 1212| 737-0178 |914| 328-1919 FAX, |212| 988-9192 Key Personnel: Neal Geffner, Pres., Barry Silver, Nat'l, Sales Mgr., Len Geffner, Financial Secv. Nea Geffner, 2nd genération in locks, Borry Silver, many generations in locks, Len Geffner, 42 years in locksmithing.

Norfeld Industries P.O. Bex 459 Chice, CA 95927 (800) 824-6242 FAX: 1916) 342-5205

Norheld Industries specializes in doci hardware installation tools. A distributor of door specialty products and industria, woodwerking tools & supplies. NTS also offers its own line of door tools and machinery. A Door Tools mini carolog or 188 page Buyer's Guide of its complete inventory can be obtained at no cost.

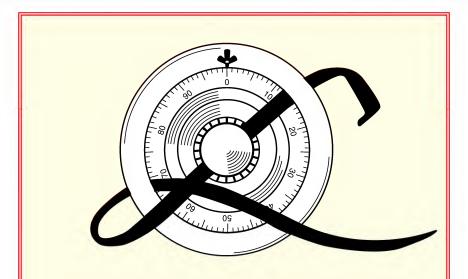
Northwest Lock & Supply Co. 2300 Ferry St. P.O. Box. 1384
A bany, OR 97371
(503) 967-2749 [800]: 359-9425
FAX. [503] 928-9338
Key Personnel: Ted Sworison, CEO; Richard Kilchen, Sales Mgr., Steve Swanson, GM, Northwest Lock & Supply is dedicated to servicing Locksmiths and their specialized needs. All of our employees are former locksmiths and are happy not only taking orders, but to also answer technical questions the Locksmith may have. We specialize in

Silca, Chicago, Kwikser, Auto Security and

Onic Travel Bog Mfg. Co. 811 Prospect Ave. Cleveland: OH 441.15 |216| 621.5963 FAX: |216| 621-5659 Key Personne: Paul Gallin, Bruce Oppenheim, Paul Patel Ray Patel Ray Pater Specialized distributor of Luggage locks, keys and related hardware and handles. Catalog 791: Also publishes cotalog 790, which shows small gift and travel items including carded leather key rings, key cases and related

Omaha Wholesale Hdw.

1201 Pac lid Street P.O. Box 3628 Omaha, NE 68103 [800] 238-4566 (Nat'l, WATTS).



Lockmasters has a 44 year history of training security professionals.

FAX: (800) 538-4566 Key Personner: William J. Stack, Exec. V.P. J.m. Humpal. Sales Desk: Howard Westerberg, Sales Desk-Omaha

Sales Desk-Omatro
Omatro Who escle Hardware was introduced in the distribution field in 1985. Omatro
Wholesale has experienced growth in each of the five years since it opened for business.
Omatro Wholesale started with two product ines. Schlage Locks and Ven Duprin partic devices. It has since added additional lines.

## See ad on page 52

## Orchard Lock Distributors, Inc.

Key Personnel, carry Federico, Dir. Operations, Bill Simmons, Nat' Sales Mgr. Paul Douglas

Reg. Accr. Exec. Orchard Lack Distributors is a full line. nationwide distributorship serving the locksmith trade. The many major brands in stock include Arrow. Schlage, Yale, Simplex, Medeco, ILCO and many more. Our knowledgeable stalt and modern lacilities allow us to serve our customers. better with more variety, taster service and competitive prices.

## See ad on page 98

Orion Pacific Trading Company 3972 Barranca Parkway, J323 Irvine, CA 92714 1714(830-2003 FAX: [714] 830-5668 Key Personnel: Vincent Chan, Pres. J. Bruce Such, VP
Orion Pacific Trading Company is the exclusive
U.S. distributor for Solex (brand) high security
tubular key car and truck door lacks, automotive
steering wheel and pedal lacks, motorcycle oaks and padlocks. All Solex lock products feature unique key designs for aptimum security.

Pasek Corp. 9 West Third St So Beston MA 021 27 1800 | 628-2822 FAX: (617) 269-0547 Key Personnel Tews A. Alessandinir, Pres.

Agences W. Pelletier (1980) Inc. 440 Begumont Montreal, Quebec Canago H3N 117 Canaca H3N 117
(514) 276-6700
FAX 1514) 276-9413
Kay Parsonnel: A. Chepry, GM; R. Grenner, Mkt. Mgr., M. LeGault, Sales Mgr.
Full line locksmith supply distributor. Key machines, key branks, locksmith tools and supplies, locks, door clovers, partic devices, electric strikes, high-security locks, safes and glarm systems. Promot shipments. Since 1879.

The Peterzell Co.
P.O. Box 521357
Longwood, FL 32752-1357
[800] 848-1024
Key Personnal Victor Peterzell, Pres.; Betty
Eichelbarger Ciff Mgr., Abe Peterzell, Sec'yPersonal protection devices, battery operated door and winnow alarms, key accessered, door viewers and door knocker viewers, and door viewers and door knacker viewers, and door penunciators

Phaser International Ltd. Inc. 6740 Tower Drive Hudson, FL 34667 (813) 862-4090 FAX: (813) 869-3856 Key Personnel: Craig Gallagher, President Manufacture/Wholesaler of Pepper Sprays, CCTV's, and Personal protection products

Pimlico Key Service Inc. Finica key service in 5242 Reistertown Rd, Boltmore, MD 212 | 5:5082 | 800; 638:3815 | Nor'! FAX: (410) 367:7319 FAX: 1410) 307-2317
Key Personnel John Trouland, Pres Locksmith supplies: Yale Schlage, Kwikset, Sargent, Facon, Arraw, Medico, Lon, Unican, Ilco, HPC, Folger Adam Colbin Cabinet, National, Marks, Adams Rile, Briggs & Straton, Adams and Marks, Adams Rile, Briggs & Straton, Auto-Security, Valley Forge,

Protection Group, Inc. 29712 US Hwy. 19 North. Cearwater, Ft. 3462 I (813) 785-0642. FAX: (813) 784-9279. Key Personnel, James & Ringold, Puis. Offering the Iul Tine of Guardall Access Control Systems including the low cost INOVA LINE. Centact us for dealer information.

RALack Company 210 S. Clark Rd. Ste. 3 Cecar Hill, TX 75104 (214) 291-1301, [800) 777-6310 FAX [214] 291-1346 Key Personnel: J.J. Gage, President, David Price, Sales Mgr. Security for all coin operated machines. Camaroks, spannit Jacks, thouldes, plus Jacks, spice ocks, popout locks, thandles, plug locks, safes, paalocks. Foctory authorized service cemer for Medeco and Fait Lock Companies

E.L. Reinnardt 3250 Fonum Rd. Vadrais Heighls, MN 55110-5219 1612; 481-0366, [800] 328-1311 FAX: 1612; 481-0166 Key Personne: Kenneth J. Stemig, Pres.; Kenneth P. Stemig, VP, John E. Stemig, VP

Renaud Sales P.O. Box 23056, Milton Mall

# ANUFACTURING, INC.

Every Installation Is a Self-Portrait Of the Person Who Did It. Autograph Your Work with Excellence.

Milton, Ontario L9T 5B4 |416| 875-4471 |416| 875-6847 Key Personnel: Joseph Renaud, Tech. Mgr.; Lisette Renaud, Order Proc. Exclusive authorized agent and distributor of Exclusive authorized agent and distributor of Ikon products of Berlin, West Germany, Ikon is a manufacturer of quality cylinders since 1927, specializing in key control, masterkeying and control locking systems.

Richmond Industrial Supplies Richmond Industrial Supplies
68 Port Richmond Ave.
Staten Island, NY 10302
[800] 462-9997
FAX: [718] 981-5665
Key Personnel: Bob, Dan, Kevin
We are RIS Richmond, a family owned and operated distributor of Baldwin hordware. Right In Strok, is the largest selection of the biobest. Stack, is the largest selection of the highest quality brass hardware available, as well as bath accessories, cabinet hardware, etc. Our expertise and inventory are concentrated on Baldwin & Master/Dexter. Also, we can deliver from other major manufacturers.

Rininger Lock & Supply 3468 Citrus St., Suite C Lemon Grove, CA 91945 [619] 463-0170, FAX: [619] 697-2590 Chuck Rininger, owner; Brian Goonan, sales, Chuck Kininger, owner, buttin Goordin, sees, purchasing Rininger Lock & Supply is continuing to expand with a larger and deeper inventory and customer base. We carry a full line of locksmith supplies, tools, machines, etc., as well as being a major distributor of Baxter Systems code books, updates, guide keys, and tryout keys.

Jim Ripley's Services, Inc |Safe Monkey Wrench™) 304 S. Lynn Riggs Blvd. Claremore, OK 74017 |918| 341-1077 [918] 341-1077 Key Personnel: Jim Ripley, Pres. The Sale Monkey Wrench™ is a tool designed to open many high security safes without drilling or manipulation, with minimum damage to the safe. The tool was designed by Jim Ripley, CML, a locksmith specializing in safe apenings. Mr. Ripley has also taught safe opening classes.

Rudy's 4086 East 71st St. Cleveland, OH 44105 |800| 248-RUDY FAX: |216| 641-0060 Bulk keys are our specialty. Same day shipping. Foreing, auto or standard US keys, 10 lb. minimum

C.E. Sanders 6902 N. Armenia Ave. Tampa, FL 33682-7020 [813] 935-5157 Key Personnel, Calvin Sanders, Owner; Carol Sanders, Sec'y Sanders, Sec y
We manufacture our own patented products
Jestablished 1983, Hide-That-Key Clipp [tm],
Portable Privacy Lock [travel lock], Thumb
Square [tm], Keyholders Javoilable in black,
24K gold plate and solid 14K gold]. Assorted
desk accessories desk accessories

Dave Sanders & Co. Inc. 107-111 Bowery New York, NY 11226 |800| 542-1743 (Nafil), |212| 334-9898 |FAX: |212| 966-4185 Key Personnel: Paul Sheopaul, Sales Asst.; Shelly Auerbach, Tech, Asst. Since 1952, Dave Sanders has been serving the trade community in the New York metro area, We stock an enormous inventory of building, cabinetry and door hardware. We specialize in commercial and decorative hardware and our line of power tools can't be beat. We are available hor: 8-4-30 p.m. Monday-Friday 0EST.

Edw. Saucedo & Son Co., Inc. 711 N. Copia El Peso, TX 79903 1915) 566 7101

Secure Industries, Inc.

1295 Northern Bivd. Mannasset, NY +1030 1516| 627-2221 (800) 999-2534 FAX: [516] 627-0366 Key Personnel: Joel Kramer, Pres., Sodie Kramer, VP; Marilyn Linder, Sales Wholesole distributor of locksmith supplies featuring EMD KAY brand padlocks, key cobjects, cash boxes and taverns by vey

## See ad on page 74

Security Equipment Supply

Security Equipment Supply
4132 Shareline Dr., Sec. E
Earth City. MO 63045
1800) 325-0221 (St. Louis)
1800) 729-1306 (Chicago)
1800) 548-0680 (Detroi)
1800) 779-2865 (Konsas City)
FAX: (314) 298-8962 (St. Louis)
1708) 803-2143 (Chicago)
1313) 543-5576 (Detroi)
1913) 599-3716 (Konsas City)
SES has been in business for over 10 years, specializing in electronic fire, burglar and access control products for the security and lacksmith industries from manufacturers like Securitran, Handhelt, Corby, IEI, Alarm Jock, Altronix, Sony and more. We have four midwestern locations in St. Louis, Chicago, Detroil and Kansas City.

See ad on page 32

## See ad on page 32

Security House Padlack Distributors 665 Milway Ave., Unit 48 Concord, Ontario L4K 318 Canada 1800; 567-5300|Canadowidel (905) 669 FAX: (905) 660-6313 J. W. (J.m.) Flewitt, Pres : John Callaghan, V.P. Oper Canada's factory source for Master Lack, Dudley, American Lack, Papaiz, Prestolack, Squire, Cisa, Hampton, Buddy, Esmet, XI-Lack, Olympus, VIRO - Ablay restricted keyway padlocks

## Security Lock Distributors

59 Wextord St. P.O. Box 815 Neecham Heights, MA 02194 |617| 444-1155 (local) |800| 847-5625 1800) 847-5625
FAX: 1800) 878-6400
Key Personnel: Sidney Schwartz, Pres.; David Schwartz, VP; Jeff Schwartz, VP; Martin D. Wiener, Controller
Security Lock Distributors is a wholesale distributor of locks and security products. We are the nation's largest distributor of Arrow locks carrying their complete line. We also carry the complete inventories of Adams Rile. Folger Adam, Simplex, Bommer Mailboxes. Detex, Alarm Lock, Van Duprin electronics, and Locknetics-Security Engineering.

See ad on page 134

## See ad on page 134

Security Pius, Inc.
3612 North 16th St.
Phoenix, AZ 85016
1602; 234-3883,
1800; 426-0200 (Narth)
FAX: 1602; 234-3882.
Key Personnel Steven E. Marcov, Pres., Theo Nielson, Sales Mg.
Security Plus is a wholesale lock distributor dedicated to providing excellent service to the lacksmith industry. We are stacking products and parts of major manufacturers of automotive

locks, capinet locks, door hardware, locksets. locksmith tools, key blanks, key machines, safes, security devices, and various supplies

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1516; 753-6000
FAX: 1516; 753-6004
Key Personnel Alan Liraff
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Pitsburgh, PA. 15203.
[412] 381-4900 (800) 666-6007.
FAX. [412] 381-5122.
Key Personne: Sandy Zaremberg, VP. Attow, ASSA. Alarm Lock, Bommer, C.C.L., Detex, Don Jo, Falcon. H.P.C., Sargent, Ilco. ICN, M.A.G., Master, Medeco, National, Program Marketing, Quincy, Sargent, S&G., Simplex. Stanley, Trine, Weiser, Wilson-Bohannon, and Yale.

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Unit 17-1391 St. James St.
Vrinnipeg, Manitoba
Canada R3H OZ1
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FAX: [204] 774-5627
Key Personneh C. M. "Coley" Kaufman.
Pres / GM: Shawn McIntosh, Sales Mgr.
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Medeca, National Lock, Rylan, Donija Mfg
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supplies and tools to the trade, contract
hardware houses and government and hardware houses and government and municipal agencies.

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1166 \* opside &d. Lou sville - TN 37777 18001 336-8812 (615) 577-8470 \* AX : 6151 577-5936 D. Scon Selby, R & D; Elaine Selby Inside

See ad on page 37

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Soc.Q., established 1980, stacks key blanks, auto lacks fareign and domestic), locksmith tools, novelries, key cabinets, and security cash handling equipment. No minimum purchase is

See ad on page 71

Southern Lock & Supply Cc.
10910 Endeavor Way
2.0. Box 1980
Pnollas Park, Ft 34664-1980
1800; 282-2837 (Ft),
1800; 237-2875 (Nat'l)
FAX: 1813; 544-2832
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Southern Lock has been a supplier to the locksmith, security and building industries for more than 40 years, maintaining a large inventory of popular products from over 200 manufacturers. With four locations, competitive printing and friendly, qualified sales personnel, Southern is doing what it takes to keep their automate harms. customers happy

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Key Personne John Milan, Pres
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New York, NY 10002
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1800; 543-5625
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TRAM International, Inc. P.O. Box 6247 Delray Beach, FL 33484 (800) 843-2440 FAX (800) 448-8280 FAX (800) 148-8280 FAX [800] 448-8280
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Continued on page 64

Milwaukee, WI 53202
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Oceanisde, NY 11572
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FAX: (312) 342-6694
Key Personnel: F. Bernath, Pres., N.A. Bernath,
Sec'y./Treas.; Keith Adkins, GM/Plt. Supt.

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1402; 346-8338, [712] 366-4703
Key Personnel: Don Parkins, CEO
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Gordon T. Jenkins, VP Finance; Sylvia Mailison,
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Amityville, NY 11701
[800] AlA-LOCK
FAX [516] 789-3383
Key Personnel: Brian Strom, VP of Sales, Keri
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Selma, Al. 36701
[205] 874-9001
FAX. [205] 874-6011
Key Personnel Jesse Hermann, Pres.; James Gibbard VP - Gen. Mgr., Russell Alsorook, Nat'l Soles Mgr.
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FAX: (706) 554-3319
Key Personnel, Steve Bucher, Flant Mar
Manufacturers of quality "made to order,"
money chests. Ut safes, bank equipment,
mercantille vault doors and autobank cash
handling systems

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Allsale Company, Inc. 1105 Broadway Bullala, NY 14212-1511 i716i 896-4515 (800) 828-7162
FAX: i716i 896-4241
Key Personnel: James E. Pokomowski, President;
Michael E. Davis, Dir. Eng.
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lacking devices to prevent their of car stereos.

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8205 Montreal-Taranta Blva.
Montreal, Quebec H4X TN1
1800; 363-2114, [514] 364-4211
FAX: [514] 364-4912
Key Fersonne: Aubrey Sievent, Sales Mgr.:
Merg Larson, GM.
Manufacturers of declarative lack hardware for both commercial and residential markets. Almet is now featuring new designs in solid brass and colored levers in their new Encore line.

Almont Lock Co., Inc.
113 School St.
Almont, MI 48003
(almont, MI 48003)
(Bright 1978: 8950)
(Bright 1978: 8950)
(Bright 1978: David Popovici, Pres.: David Popovici, VP, W.L. Pluck, Mikraj Mgr.
In business since 1962. Manufacturer of Padlocks, Mortise Cylinders, Rim Cylinders, and



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## eanut Cylinders See ad on page 40

Altranix Corporation
1675 East 16th Street
Brooklyn, NY 11229
1718; 998-8999
FAX 1718; 375-6797
Key Personnell, Alan Forman, VP Miktg.
Johann Schmis, VP Eng., Robert Scanapizo.
1ech/solles Support Attorix manufactures UL listed power Jupilly charges for access control, burglar and fire, and CCTV applications. Products include a wide range of programmable timers, relay modules, transformers and siren drivers.

American Auto Accessories, Inc.
112 15 Norhem Blwd
Corona, NY 11368
17 18 1458-6200 (800) THE-1800
FAX (718) 458-6226
Kay Personnel thenry Hsu, Exec. Dir.; Betry Lo.
G.M., David Yu, Mikra Dir.
Major products HAWMER Ami-Theft Lock
padocks, Thett Ploof Steering Whee Locks,
Tunk Guard Data Guard car claims Crown
Air Freshere. Tupp of Neon Brense Frame and
Kirs, Massage cushion Frond Massage
Steering Wheel Cover, Window Tint Small
Look and auto accessories Tools and auto accessories

1003 W Bloodwey P.O. Box 5 P.O. Box 5 Sweleyile, 11, 62288 [618] 965-3491 FAX (618) 965-9022 Key Personnel: Tom Walls, V.P. American Device has been in the manufacturing business over 65 years, producing quality products currently include a complete line of participand fire exit devices and postal special test. special test

American Key Boxes
4520 Forest HII Ch. #13
ft. Worth, 17 76140
[800] 561-5397
FAX: 8171-561-2881
Key Personne James Victory, Owner
The American Key Box is constructed of neavy-duty 18 gauge metal with a baked hinsh. It may be utilized in a horizontal or vertical panel extension function. A 21 seat cushion is optional. Organize your keys.

American Lock Co.
3400 W. Exchange Rd.
Crete, IL 60417
1708; 534-2000
FAX: 1708; 534-253.1
Kny Personnei. William F. Noone, Pres., Philip E. Settecase VP Sales/ Mktg: Dave L. Anderson Sales Director P.S.G.
Manufact, or of solid steel and solid brass
Manufact, or of solid steel and solid brass
coks, replacement tim and martise of noons. ocks, replacement rim and martise ox neers, and compination poolocks

American Magnetics Corporation 740 Watson Center Rd Carson, CA 90745-4181 (213) 775-8651 (AX 1310) 834-0685 Key Personnel Richard Kelley, V.P. - Access Cornol: Ed Martin, Reg. Dir; Hall Haug, Reg. Dir. American Magnetics Corporation manufactures access control and alarm maniforing products for small to large integrated security systems.

American Metal P. C. Box 80/127 Son Marria, CA 91118 (818) 292-1300 FAX (818) 292-1300 Key Personne - Michael Ram, G.W. American Metal specializes in manufacturing new and innavative security products.

American Saw & Mrg. Company - Tool Division American Saw & Mrg. Company - Fool Division 30 I Chestrut Street East Longmeadow, MA 01028 M131 525-3951 (800) 628-3030 FAX 14 13(525-9670 Key Personnel York Mayo, VP of Sales, Bill Dawding, Dir. of Mktg. Don Bellevue. North American Saws Mgi. American Saw main violatures hacksaw blades and francisco companies plades and francisco. and frames; compass plades and handles; PVC/ABS hand saws; reciprocating and jig saw plades; portable power nacks and portable bonds; brinefal, arbored and carbide tipped hole saws. Vari-Biff drill bits, Lenox® Leader® bits and wood boring bits. In business since 1915.

American Security Prod. Co.

Fontaria CA 92337 1800| 421-6142, 1909| 685-9580 FAX 1909| 685-9685 Key Personnel: Frank Cademarton, Pres., Robert Cademarton, Pres., Robert Key Personnel: Frank Cademarker, ries , modern Salem, Nar. Soles Mgr. War, factures of Amsec. Star and Major brand sales. Offering outglary resistant sales, fine resistant sales and custom sales. Manufacturing audity sales for over 40 years.

See ad on page 19

APEX Security Alarm Products 35 10 Spring Forest Rd Rolleign, NC 27604 1919 876-0010 FAX: 1919 850-0977 FAX: 19191 850-0977
Key Personnel Jim Filer, GM: David Hanchette, Dir Sales & Mktg., Tom Balbon, Tech Support APEX Security Alarm Products manufactures products for the security marketolace. The Line of hardwire/wireless control panels/peripherals are designed with a full range of autstanding builtin heatures. Speech synthesis, two way raises telephone access, and home automation support the APEX mission as industry leader in quality and advanced technology. quality and advanced technology

## APR Industries, Inc.

P.O. Box 342 Boomer, N., C2005 (800) 729-2674 FAX. (201) 335-3308 Key Petsonnel: Alor Paul Romanowicz, VP Sales: Jennifer Pearce, Gen. Mgr. APP Industries APR Industries manufactures rim panic exit disvices under the brand name of APR\*AMERICAN. The series ED22 (learned in July 93 issue of the National Lacksmith) is designed for use on flush and wide style doors and his a 161 stock hollow metal cutout.

See ad on page 27

Architecturg Control Systems Inc 10066 Coteway Blvd St. Touis, MO 63137 (314) 432-5588, (800) 753-5558 TAX (314) 432-2090 FAX (314) 432-2093
Key Personnel: Dave Sentten, Pres.; S.A.
Caponi, VP; Mark LeGrand, Sales Mgr.,
Manufacturers of the patented Gemini Locking
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Flectric hinges, electric mortise and cylindrical
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sensors and related products. Noted for their dependability and ease of installation, these products are available from all major distributors of security products worldwide.

Arizona 777 High Security Lock Corp. 100 S. Hamelton
P.O. Box 398
Chandler, AZ 85244-0398
(602) 89-7770
FAX: (602) 814-0000
Key Personnel: Dr. Alois Crepinsek, President
"Eclipse", stand-alone, one or two door access control. "Simple", with integrated 32-character liquid crystal display for programming menu and intervated programming keypad. "Flexible", with most card reader technologies accepted and alarm capabilities. "Expandable", with multiple Eclipse networked together for central programming and printing. zona 777 High Security Lock Corp.

Armite Laboratories
1845 Randalph St.
Los Angeles, CA 90001
(213) 587-7768
FAX. (213) 587-5075
Key Personnel: J. H. Armington, Pres.; Howard Hansen, VP Sales, Mary Wilcox, Controller Manufacturer of moisture remover, antiseize, rust buster, synthetic instrument oiler.
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Armor Safe Technologies 2580 Progress St Vista, CA 92083 (619) 598-5470 (factory) FAX: (619) 598-5471 (factory) Key Personnel: David Simons, MG Cust. Svc., Craig H. Gilbert, Pres.; A. Steve Allison, CEO. All materials are completely new interchangeable baltwark Complete line of Ut labeled TL-15, TL-30 burglar resistive money safes for supermarkets and drug chains. Special designs for clients' individual requirements.

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Maspeth, NY 11378
18001 622-LOCK, [718] 392-9000
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AMSECO 236 E. Stor of India Lane Carson, CA 90746 [800] 421-1096 (310) 538-4670 FAX: [310] 538-9935 Key Personnel Source rAX: [310] 538-9932
Key Personnel: Sergio Galvez, Div. Mgr.
AMSECO manufactures the Stinger I and
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security system, with features such as automatic
or mariual arming, latching panic alarm, alarm
memory, trunk release and code learning
transmitters.

ASSA High Security Locks 103-00 Foster Ave. Brooklyn, NY 11236

Continued on page 70

[718] 927-2772

FAX [718] 257-ASSA

Key Personnel: Wayne Wilkerson, Pres., Mike Crowder, Soles Max., Bill Peterson, Inside Sales & Customer Reactions

ASSA High Security tecks manufactures a fundae of high security tendit cylinders, deadbots and padlocks. Farened, geographically protected keyways are available to distributors, tocksmiths and endusers. Also aftering the HALT line of narrowstile locks.

Auth Chimes / Authentic Parts 56 1 Acoun St Deer Park, NY 11729 [516] 667 9000 -AX [516] 242-7742 Key Pesoninel, Jonathan Ingram, Pres., Donna Miller, VP, Ger., Mgr.; Angela O'Connai, Cust Sve.

Auth Chimes/Authentic Parts now carries a full line of mailbox reprocement parts and locks in addition to its quality cloor chimes.

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[AX 1800] 255-9785 (East Coast office)
[AX 1800] 959-9859 (West Coast office)

J. Bars 8555 Tarnels Ave N. Bergen, NJ 07047 (201) 868-4444

See ad on page 17

Barry Scoply Co. Division of Barry Industries, Inc. 36 West 17th St New York, NY 10011 1212) 242-5200
Key Personnel: B Wein Sales W. Wein, Purch. Barry Supply Colinas been in business over 25 years. The company specializes in the manufacture and distribution of window and door national for reproperties. Supplies are required for correct matering.

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Division of Bell Gross and Mirror Go
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Brooklyn, NY 11218
1718; 633-4000
FAX: 1718; 854-8909
Key Personne: Art Brenner, GW
Manufacturers of U.S. and foreign-parented Bell
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The Broadway Collection 10 | 0 VV | Saint Fe P.O. Box 1210 Olathe, KS 66051+1210 (800) 766 1966 FAX: 1913) 782-0647 Key Personnel: Craig Miller, VP Mikt. & Prod. Merchandising The Broadway Collection designs, manufactures and markets fine decorative door hardware, plumbing fittings and accessories. Our beautifully designed mortise and jubular locksets leature concepted mounting thim for ease of installation, durabally and increased security. Our ANSI Grade 1 mortise acks and hardware are Ut, listed for use on live doors.

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lucks "earbred peoper based FBI approved
defense sprays, and Sound Quard pocker
police strens i personal planns

California Securry Cans 550 Cypress Ave. Hermasa Beach, CA 90254 (800) 848-0067 FAX. (310) 372-2160 Key Personnel: Margaret Meenahon We specialize in the manufacture of can sales made from the actual product container

Cannor Safe Inc 9358 Siephens Si Pico Rivera, CA 90660 13101 692-0636 18001 242-1065] Natl II FAX: 1310 692-7257 Key Personne Sieve Baker Pres, Manufacturer of various size sized commercial safes, plus gun and name security safes

Cansec Systems (td. 2 Robert Speck Plumy - Suite 570 Mss ssauge, Ontatio, Canada 147 1418 (905) 897-1762 FAX, 1905) 897-5588 Key Personnel: Frea Dawber, Pres., jim Brion, Sr. VP, Bob Rodkin, Diri, Soles & Mkig. Cansec manufactures a complete line of Card Access Fanels and software from single door systems to large proprietary security systems running under OS/2 All Reader technic objessive supported including Cansec's Fremium Mag Stripe Readers, and the lauchkey and Smarrkey Key chain takens which can also be used for Debit/Credit applications.

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single door control of a small shool of our ress
ta control up to faul doors. The products am
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(312) 282-7177
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Over 70 years experience in the design and manufacture of locking cylinders. The original designers of the Ace tubular lock. Products available through local distributors are original replacement keyblanks, strate hit double hit. replacement keyblanks, single bit, double bit. Ace and pin tumbler locks. See ad on page 46

Chinon America, Inc. 1065 Bristal Road Mounta riside, NJ 07092 19081 654-0404 FAX: 19081 654-6656 Key Personnel: Ken Gerb, Nat'l Sales Mar. Chinon offers a complete line of 8&W/Colar CCTV cameras and board level cameras

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1402) 462-2737 (1-9 p.m. CT)
Key Personnel B. Gifford Sager, Pres., 1919
Bateman St. (402) 462-4389, H. Roger
Grace, Sec. / Treas.
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Torrington, CT 05/90
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FAX: 12031 482-8760
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Key Personnel HQ Mork Stegen, LA: Linda Haynes; S.D.: Greg Hutchison; PHX: Larry Seaton; PW: Allan Whidden.

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FAX 15161 334 0235
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Continental Micra, Inc. P.O. Box 394 Paik Ridge, IL 60068 [708] 692-3630 Key Personnel: Thomas Swiderek, Pres., Lau Lane, VP Monufacturer of code cords of a hypes for HPC 1200 CM Code Alkey Code Machine. High grade outers for 1200 CM Code Machine.

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12031-225-7411
FAX 12031-826-7266
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FAX 1610(1435-1963
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Glann Matz, Pres ; Tim Carby, Gen. Mgr.
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CorKey Control Systems, Inc. 3427 Enterprise Ave. Hayward, CA 94545 (800) 622-2239 FAX: 1510) 785-2090 Key Personnel I'm Lepare, Operations Mgr. CarKey is the world's leading manufacturer of mechanical card access systems. Easy tekeying and encoding allow effective key control without wiring, batteries, or computers

Chimestopper Security Products Inc. 1,270 Sc. Tape St. Sim. Valley, CA 93063 (805) 526-9400, (800) 66-ALAR/A. FAX: 1805; 581-9500 Key Personnel Howard Miller Pres ; Sharon Miller, VP, Larry Pererson, GM, Complete line of automative security products and accessories including remote control devices, paging alarms, digital and keyless entry systems, key type systems to moot overy requirement and vehicle.

Cuit's industries. Inc. 34999 Curis Blvd., Eastake. OH 44094 1216 951 2400 FAX 1216 951 6330 Key Personnel: M. Andrien, CEO, J. Calawell, Pres., T. Marris, Sec. Prod. Mgr. Curis is a leading manufacturer of key blanks; key duplicating machines. Jincluding the 1000 manual, the Keymatic 2000, and the Keymatic 30001; the Number 15 Code Cutter. Curis, also distributes many additional locksmith items via its own sales force covering the U.S. Canada and U.K.

Customine, Inc.
950 W. Cienego Ave
San Dimes. CA 91773
1909; 592-6200
HAX 1909; 599-5776
Key Peisonnel. Michael Whiting, Sales; Dien
Gilben, Sec.
Customline Gate Operators have been
manufactured a rice 1905. We provide a
complete line of gate equipment from three loor
bedestriant gate releases to operating
equipment for 200 foot long commercial
gates. Custom equipment is available to more
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Cuter Mfg. Corp.
P.O. Drawer M.
Esten Park, Ft. 33840
1800; 237-2312
FAX: 1813: 646-4517
Key Personnel Katrie Guthrie. Sales Supervisor Cuter Manufacturing Corporation has supplied the building industry with auality postal specialty rems since 1883. During the past twenty lively years, Cutler has diversified its product line to include trash and liner chutes, tenant storage lockers, preumatic air tub systems and newspaper vending racks.

Darex Corporation
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Ashland, OR 97520
(503) 488-2224 [800] 547-0222
FAX [503] 488-2229
Key Personnel: David Bernard, Pres.; Curt
Anderson, Mirking Dir
Darex Corporation is known throughout his
world as the leading producer of precision
sharpening equipment for drills, endmills and
tabs. Darex sharpeners ar simple, accurate and
they will save you time and maney. For
complete information Darex has available

comprehens ve literature and a free video See ad on page 15

Dayton Safe Company STIN Find by STIN FIND B

Deck SI der of Florida 27641-2 Reahard Ct Bornta Springs, FL 33923 [813] 947-5518 (800) 782-1474 Key Fersonner Robert Gaynar, Priis Manufactures and sells Deck Silder II, a state of the art cargo access and statage system for pickvas, vans and suburbans. Deck Silder II mounts to the vehicle bed and sildes out like a drawer, providing quick and easy access to cargo.

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9802 Glenons Blvd
Sun Valley, CA. 91352
1818/771127
FAX: (818) 771-0785
Key Personnel Juck Naldjian Mk. Mgr., Jae Naldjian, Tech. Mgr.
Delta Vehicle Security, established in Nov.
1985, was lounded on the principles of providing the highest quality USA mada vehicle security systems and accessories with the newest technology and simple, but powerful modular designs. Ease of installation and backing the decler with technology and supposed to the keys to the supposes of Post to

Deronde Fraducts Inc. 200 Comwall Ave. P.C. Box 245
Buffalo, NY 14215-0243
17161-895-8888, 1800; 346-8926
FAX: 17161-895-9987
Key Personnel: Charles N. Long. Jr., Mgr. of Operations
Deronde Products, manufacturers of custom steel, stainless steel and textured stainless steel doors and homes for the commercial market as well as the institutional market. Deronde stocks galvannealed sheet steel and stainless steel in gauges ranging from 18 to 12 gauge.

**Detec Security Systems, Inc.** 927 Calle Negacia Suite A San Clements, CA 92673 |7 | 4 | 366-9391 | FAX: | 7 | 14 | 366-9436

See ad on page 64

Continued on page 76



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Integrity.
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security solutions.

Key Persannel: Mike A. Sansky, Pres Designers and manufacturers of innovative security equipment for home, business, motorhome, boat and door announcers. Cuentire product line is designed for the don't yourself project.

See ad on page 64

Detection Systems. Inc. 130 Petitaton Parkway Fairport, NY 14450 (716) 223-4060 FAX: (716) 223-9180 Kay Personnel: Karl H. Kostusiak, Pres., David B. Lederer, Exec. VP; Fronk.). Ryan, VP Detection Systems, Inc. designs, manufactures and markets electronic detection, control and signaling equipment for the security and fire protection industries. The Campany's products are used worldwide by professional installation and service companies to protect life and properly in commercial, industrial, institutional and residential alarm systems.

Deter Corp.
302 Detex Dr.
New Brounfels, TX 78130
(210) 629 2900. (800) 729-3839
FAX: (210) 620 6711
Key Personnel. Philip Haselton, Pres.: John Bioagett, VP, Greg Hackney, Product Manager Haw Drv.
Designs, manufactures and distributes ext lacks, alarms, remote panels, access contro devices and associated commercial industrial door security products. Off the shelf units capable of standralone or interface into complete systems capable of meeting the specific need.

Derroit Mini Safe Ca. 9950 Freeland Ave. Derroit, MI 48227 (313) 931-7720 FAX: 1313) 931 7758 Key Personne: Sheldon Wiener, Owner All sted deposit safes for trucks, stares, theaters, cas stations.

Diebald, Inc. P.O. Box 8230 Cartion, OH 44711-8230 (216) 798-5625 FAX. (216)798-5626 Trade names - Banklock

DLA Security Systems, Inc.

629 Kimball Ave.
Westfield, NJ 07090
J908J 233-7755
Key Persannel: Walt Driscall, Pres.
Masterkeying software for locksmiths. Multi-Master for all popular standard cylinders. Multi-Care for all major interchangeable care cylinders.

See ad on page 67

Dom Security Locks N. A.
100 Centro: Ave
Brockville, Ontana
Caracka Kövi SVV6
(800) 363 4803
FAX: 1613) 498-5820
Key Personne Jurgen Wolf Gen Mgt Olgo
Charlikias, Cust. Mktg. Svc., Domenic Cicchin,
Tech. Field Spec.
Dom is a major manufacturer of high security
cylinder systems and industrial locking systems.

Domus Industries, Inc. 8550 E. 33rd. St. Indianapolis, IN 40726 (317) 898-8870 FAX: (317) 898-1130 Key Personnel: Rino di Jorio, Pres, Laura Bandy VF. Damus Industries Inc. manufactures high quality custom residential hardware.

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Stering, MA 01564
[508] 422-3377
FAX. [508] 422-3467
Key Personnel: Tim Roy, VP, Karen Martin, Op Mgr.
Don-Ja Manufacturing manufactures wrop-around plates, remodels plates, push & pulliplates, kick-plates, larch protectors, strike plates and tiller plates, combining all accessories for door and frame into one complete product line parkaged and cataloged with locksmiths in mind.

See ad on page 65

Door Aid®, Div. of M.S.S.
500 N. Main St.
Matawan, MI 49071
10161 668 8228
FAX: 10101 668-3828
Key Personnel. David Caramoula. Dir. Sales & Miktig.
Make your doors hand cap accessible a simple, economical automatic door operator designed to easily retablit to commercial and residential doors. Specifically engineered to meet ANSI and ADA requirements, its nigged construction and andemand design will provide years of vinually maintenance free service. Versatile, parented design allows for various mounting applications.

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Door Alarm Devices Corp. - DADCO 20 Lucon Dr.
Deer Fark, NY 11729
1516; 586-2400 (800) DADCO NY FAX: (516) 242-0611
Key Personnel Bennett B. Harman, Pres. DADCO has been engaged in the design and manufacture of security equipment for over 32 years and is the originator of the popular "Magnenc Ext Alarm" Their "Wantter Center by DADCO", first designed as an "Ext Alarm" centra insataut has developed into the modular field expandable, multi-invalorita annunciator.

Decr Centrals Int',
2362 E. Bishop Citale E.
Decret, M. 48130
1313: 4260400 1800; 742:3634 (WATS)
FAX: 1800: 742:0410
Key Personne I. John C. Maynord, Pres., Joseph A. Gherga, VP-Sales & Wildy, Borbara S.
Maynara, VP-Customer Relations,
Door Contrats International manufactures Ut.
Listed ador accordinators, automatic, self-latching, manual flush borts, and the RDM tock.
A patented electromagnetic lack with interchangeable brackets to create different options. The Pannex, a high security financial or electromackets with dagging, mechanical or electronic lack or unlack.



## **ASP - Your Auto Service Center for the World**

Doorguard Systems, Inc 91.57 Whiskey Bortom Rd Icurel, MD 20723 1301| 498-7200 (800) 442-6247 FAX. (301) 498-7260 Key Personnel: Christa Lucich, Sales & Mktg. Dir. John Shipley: Sales & Sys Dsgr. Mgr Doorguard Systems. Inc. is the driginator of de ayea egress lacking systems for emergency extraoors. Utilizing a 1200 be electromagnetic lack, Doorguard delays unauthorized use of emergency extraoors for 15 or 30 seconds. All products are Utilisted as systems to comply with NEPA 101.

DoorKing, Inc.

DoorKing, Inc.
120 Glasgow Ave.
120 Glasgow Ave.
1310] 545-0023, 1800; 826-7493
FAX: [310] 545-7431
Key Personnel: Dusty Beeding, Sales Dir.; Rich Sedivy, Wktg. Dir.; Tom Richmond, VP.
Door King Is a monufacturer of access control products including telephone entry systems, digital locks, card readers, programmable remote controls, magnetic acks, and gate operators. Door King has been an impovalive manufacturer since 1948.
See ad an page 28

See ad on page 28

Door Spy-Rudolph-Desco Co., Inc. Door Spyr Rudolph-Desco Co., Inc. 580 Syvan Avenue P.O. Box. 1245 Englewood Cliffs, NJ 07632 1245 1201 | 568 4920 FAX, 1201 | 568 697 | Key Personnel: Hans Baumann, Sr. VP; Michael Simond, VP. "Door Say", the security door viewer that lets you see clearly 4-ways: lorward, right, left, and below, 90 percent distortion free. Ut listed fire door viewer, paterned, real steep free descriptions.

door viewer, paterred, registered trademark

Door Systems, Inc.

2935 Byberry Rd P.O. Box 575 Halboro, PA 19040-0576 1215) 672-8087 1213 0723007 FAX: 12151 672-8298 Key Personnel Davic C. Deardorff, Tonya Kunevish, Alan Scolkin Numer on, Alon Scottin
DSI is the exclusive supplier of the Digital Door Lock®, a keyless, push button, mechanical access control for all types of residential and commercial doors and cabinets, DSI offers eleven models and 10 finishes for both new and replacement installations.

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Der-O-Mafis Haraware BarO-Matis Haraware
4640 N. Okera
Harwood Heights, II. 60656
18001 815-15-17
FAX: 18001 666-0472
Key Personnel, F.J. Chubbuck, Nat'l Sales
Mgr., Micheal Murray, Sr. VF; Mark Dugo,
Frod. Mgr.
Manufacturers of aluminum door hardware as
well as handing a persons to samply with well as handicap operators to comply with current laws as established by the "Handicap Bill of Rights, American Disablinies Acti

Dorma Drive Reamstown, PA 17567 1800; 523-8483 FAX: 1800; 274-9724 FAM: 10001 27 4-97 24 Key Personnel: Dave Loughran, Mittg. Mgr Darma Dooi Controls manufactures a complete Ene of surface applied, concealed, and fire/life safety door controls

Dartronics Systems, Inc. 1668 Sag Harbor Tumpike Sag Harbor, NY 11963 1516, 725-0505 FAX, 1516, 725-4234

Key Personnel - Paul R. Scheerer, Pres.: John Firzpatrick, VP Sales/Prod., Kevin King, Eng. Designers and manufacturers of electro

magnetic locking and door control equipment and special application components and systems, including direct hold surface and mort sea magnetic locking devices, cower supplies and systems controllers and general and special outpose controls and monitoring resembles.

4915 21st Street Racine, VVI 53406 [800] 437-3635 [AX.] 414] 554-7654 Key Personne - Mike Brainerd, Miktg Serv. Mgr. Diemel designs, manufactures and markets portable electric power tools. The company is

See ad on page 36

Dudley tock Inc. 544 Frontiere Hemmingford, Guebec Canada [800] 363-1499 FAX, [514] 247-334 FAX. [514] 247-3341
Key Personner: Laurent Den s, Sales Mgr.
Computerized school locker control. Dudley Lack Inc. is a manufacturer of high security combination padocks for school and institutional lockers. Now available with quarted hasps and with all of your lacilities lock combinations loaded into a hand held computer for each process the school institutional computer. computer for easy access by administrators.

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Dynateck Corporation is a monufacturer of standard and delay egress electromagnetic locks plus electric decidbalt locks for high siteurry and access control installations. Necessary system companients such as station controls, keyswitches, power supplies and consoles are also available.

Easkey
1800 Abbott Street
Seinras, CA 9390 I
1800 757-8877
FAX 14081 757-7438
Key Personnel Steve Rogers, Sales Mill Mgr.
Access Control Sales Support (Ext. 586)
Affordable proximity access control for two
datas and 99 users. Easkey readers are
weatherproof and easy to install. The vandal
resistant reader in its on a door frame. Each
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laRay, Edenburn Enterprises
57-14. Hurar St.
Yps lanti, Mi-48197
[513] 483-2444
FAX: [313] 485-8769
Key Personnel LeRay Edenburn RL, CPS,
Owner
Manufacturer of safe opening tools including the "WASP" manipulation aide of ill point transfer tool and complete emergency dialogs.

E.K. skcessories, Inc 575 W. 3200 S. Logar, UT 84321 1801) 753.8448 FAX: 18011 753.2411 Kny Personnel Ed Kalbach, Pres., Randa'l Andersor, Ger., Mgr. Wanufacture many different key rings made of nylon climbing card. May be private labeled.

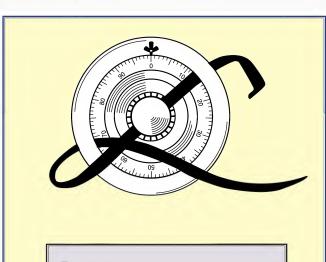
Electronic Lacking Speciatries Inc. 2043 Wellwood Ave. East Farmingdole, NY 11735-1283. [516] 753-6100, 18001-526-9000. FAX [516] 753-6004. Key Personnel, Janni Fritzpatrick. Manufacturers of various electronic locking devices and accessories for the access control and electronic locking industry. Also distributes for most major electronic lock manufacturers.

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The ESI Borescope is the rigged version of an luminated optical instrument widely used by locksmiths for viewing through small diameter chilled holes. The view is clear, erect end always in facts. Call for a free prachuse.

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Engineering Unlimited, Inc. 1.320-1.2th Ave. IN. Minneapols, MN 554111 (512; 522-4040 FAX: 1612; 522-2829 Key Personne: Janet Ingram, Mktg.: Sur. Werner, VP. Only manufacturer of sterling rotory shackle padlacks. Available in steel or all brass models Two sizes. Excellent acrossion resistant learness. Major users include utilities. CATV municipalities, industry, look-out. Also available one-short seaulity seals. Cast competitive.



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Key Personnel. Dot Pullin, Sales; Bill Frye, Sales, Jim Rippie. Mktg. Mar
Esmet, Inc. manufactures high security locks, storage containers and weapon rack systems under the brand, Tufloc<sup>TM</sup>. Tufloc products are used in commercial, industrial, aw enforcement and military buildings and vehicles.
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375 Harvard St.
Leaminster, MA 01453
(508) 537-6121 (800) 537-6121
FAX: (508) 537-121 (800) 537-6121
FAX: (508) 537-1699
Key Personnel. Vince Spadaforal VP-Sales; Sue Miller, Sales Mgr.
Manufacturer of key blanks, key duplicating machines, locksmith tools and equipment, cam locks, desk and pin tumbler, mailbox and file cabinet locks, consumer accessories including Hide-A-Key, Key Koil, Identa-Key, Design-A-Coil, Spiderclip and Key Klip. Other hadenames: Hide-A-Key Plus.

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FAX, 1805| 684-6232
Key Fersonnel: Michael Kaufman, Dir. Sales & Arktg
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Mgr., Anthony DiOrrio, Pres.
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stamps. You create it, we make it

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Key Personnel, Mike Marinello, Mktg. Dir.,
Grandmaster ® PC-based computerized key control software. Tracks thousands of lacks, keys, personnel and all other related information. Prints 14 informative reports for lacksmiths as well as the office administrator Easy to operate, simple to set-up, with multilevel passward security and on-line help.

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Miami, FL 33172
1800 806-0227
FAX: 13051 593-9823
Key Personnel Marcelo Paez, General
Manager
Aud of Video Intercom systems, elegantly
designed, featuring unlimited number of
entrances with illiminated panels, unlimited
number of handsets and high resolution
monitors, all with door release button.

Federal Lock Company
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Romeoville, IL 60441
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FAX. (708) 378-4767
Key Personnel: Rick Brabeck, Dir. of Soles & Oper., Loring Johnson, Dir. of Prod. Mgmt.
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product serviceability.

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Continued on page 82



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Key Personnel; Robert Della, CEO; Jack Fitzsimmons, Mgr. Sec. Syst., Sci Roia, VP

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Manufacturer of state-of-the-art fiber-aptic links
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transmission of voice, video, and data within
CCTV security systems. Features include:
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modulation techniques; easy-to-terminate
connectors; AC, DC, or battery power,
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Falger Adam Co. 16300 W 103rd St. Lemont, II. 60439 (708) 739-3900 FAX: (708) 739-6138 Key Personnel: Edgar B. Jewett, Pres.; Robert J. Carter, VP-Sales; K. R. Erickson, VP-Architectural Security Products Profilectural Security Products
Falger Adam Company monufactures a
complete line of door security products
including electric strikes, electric locks, electric
deadbolts, institutional and high-security hinges.
Desktap control consolus, and a variety of
remale actual order control devices such as
residentities and the profile devices such as pushbuttons and keyswitches are also affered

Fort Knox Security Products

1051 No Industrial Orem, UT 84057 1800; 321-5216 1800("321-5216 FAX: 1801) 226-5493 Key Personner, T. J. James, Pres., Daive Cox, for Knex is the most trusted name in security and we often a full line of quality safes. The Chuck Yeager series features conceoled hinges, reinforced door, 1200 degree certified fire protection, corner balts and a patented rack ind pinion locking mechanism.

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3000 N. River Rd.
River Grave, IL 60171
17081 456-1100 1800; 800-LOCK
FAX: 1708; 456-9476
Key Personnel: Upyd Falk, Pres.; John
Hutzenlaub, VPMktg./ Soles; Jeff Hughes.
Natil. Sales Mgr.
Manufacturer of round and flat key switch, cam
and special to locks. A complete series of these and specialty locks. A complete series of these locks are manufactured as multifunction locks@ exclusively for the locksmith. All come packaged to create many different locks all from one set of parts and are rekeyoble. Contact factory to become an authorized

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Fulleron, CA 92631
(714) 441-0544 (800) 372-6346
FAX: (714) 441-0543
Key Personnel Randy LeSage, Dir. Mrktg.; John Carrell, Tech. Supt.; J. Mike Murphy, Cust. Manufacturers of the TechniCode brand access. control systems. Over eleven years experience, Self-contained, stand-alone, and computer connected systems are available for both card reader and push-button digital code applications. Units are particularly well suited to outdoor applications.

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YVY Washington Ave Alpeno, MI 49707 Alpena, MI 49/U/ 1517; 354-5623 FAX: 1517; 354-4238 Key Personnel: Mike Agius, V. P., Phil Agius, Sales Diri; Ann Agius, Sec / Treas, Framon Mig. produces a full The of precision key machines including the #2 code machine, EXPRESS semi-automatic dupl cator, the Sidewinder high security automative duplicator, DBM-1 flat steel duplicator, TKM-100 tubular key machine, and IC-234 Interchangeable Code Machine. Framon also provides small tools for the locksmith profession.

See ad on page 72

Franklin Manufacturing Div. of Embassy Inc. 300 Smith Street Formingdale, NY 11735 [516] 894-1800 [516] 694-1836 AX. Key Personnel, Lawrence Franklin, Pres.; Far Rosen, Administrative Asst.; Jesse Taub, NH Sales Mgr. Sales Mgr.
Passage, private and entry locksets.
Manufacturer and importer of quality security products since 1925. The includes, gead ocks, jimmy proof locks, night latches, garage door locks, rim and martise cylinders, chain door guards, door viewers, palice locks, showcase locks, letter box and drawer locks, patio doors and all threat of warriews locks. and all types of window looks.

Frontier Safe Co. 1317 Chule Street Fart Wayne, IN 46803 (219) 422-4801 FAX (219) 420 7233 Key Personnel: Marcus Brewer Pres. Numerous middel and option selections available as well as special orders See ad on page 76

Gardall Safe Corp. 219 Lamson St Syracuse, NY 13206 (315) 432-9115, 1800; 722-7233 FAX; (315) 434-9422 Key Personnel: Edward W. Baroody, Fres ; Key Personnel: Edward VV. Baroody, Pres ;
Caholine Barnicott, Nathonal Sales Mgr;
Andrew Ash, Dir. of Training & Mktg.
Safe manufacturer, 350 degree, 1 hour fire resistant safes, models 1310-3018, 2 hour models 3620-4820, steel depository safes, rotary, front and back load all "B" rated. Dual purpose "Z" safes feature "B" rated chest welded inside the fire resistant safe. Applicational products, wall utility floor and augustafes. products, wall, utility, floor and gun safes

General Tool & Die Co., Inc. 1420 9th St. Racine, WI 53403 [414] 632-0286 FAX: [414] 632-9763 FAX: 14.14, 03.247.03
Key Fersannet: Frank Helding, Prad. Mgr.
The Panic Bar Retainer allows you to haid panic, bars in the unlocked position, simple depress the bar and place the haak over it. Models available to lit most styles of panic hardware, can be installed on wood, metal and glass about Available in anadized aluminum, brass and branza for thes. and bronze finishes

Glynn Johnson 2720 Tabey Dr P.O. Box 5135 P.O. Box 6135
Indianapolis, IN 46206
[317] 899-9440
FAX [317] 899-9432
Key Personnel: Robert M. Brokomp, Soles Mgr.
Manufacturer of door control products including averhead door holders, concealed and surface mounted, push/pull latch, Ilour and wall mounted stops and holders, and accordinators for double doors, including fire doors.

GN P.O. Box 1675 F.O. Box 1073 Santa Rosa, CA 95402 17071 528-8063 FAX: 17071 528-8085 Key Personnel David A. Kesselman, Fres.; Shirlee Tumipseed, Mktg Coardinator GNI designs, marruladures and markets proprietary high security fasteners, seeks, locking devices and specialized security hardware for Granite Security Products, Inc. 5216 Dovid Strickland Rd. F: Worth, TX 76119 [817] 561-9095 FAX [817] 478-3056 Key Personnel: Kyle Walters; Becky Walters Manufactures premium quality Gun Sofes, All models are UL listed and come in eight different decorator colors, fire liners are standard. No factory direct retail sales.

The Great Gate Lock Co P.O. Box 7811 Lancoster, PA 17604 (717) 392-6284 FAX: (717) 392-2919 Key Personnel: J. Platt, Fresident The Great Gate Lock is designed for roll gates which is virtually pick-proof, attack and weather-resistant. Successfully tested in a high-crime urban setting, it eliminates the vulnerable shackle. It is made from a one inch care of solid steel. For storefronts and other applications that have roll gates.

G.R.I. Telemark Corp. 802 South Elm. Kimball, INE 69145 1800; 445-5218 FAX: 1308; 235-3561 Key Personnel Mary Ann Brothers, Pres. G.R.L. monufactures magnetic contact switches O K. I morbicatives magnetic contact switches for the security industry. Recently introduced the unigara window security pars, which have an alumin device for 24-hour protection. Gives the classic look of French windows. Removes easily for tire safety or cleaning. Windows can be opened or closed with alarm on. Lifetime warranty

GTO, Inc 738 Copital Circle NW Tollahassee, FL 32304 [800] 543-4283 [800] 543-4283
FAX. [904] 575-8912
Key Personnel: Chuck Mitchell, Pres., Wayne Payne, Sr. VP; Lindo Williams, Dir. of Salés The law cost GTO "Bulldag" lack is ideal for any walk thru gate and meets lederal safety code 101. Designed to wark an either law vallage or solar power, the "Bulldag" is the perfect solution for pools, tennis courts, etc. Call for cavalidability or additional information. or availability or additional information

GU Hardware, Inc. 11761 Rock Landing Dr. (W. Newport News, VA 23606 (804) 873-1097 FAX: (804) 873-1298 (M-6) Key Personnel: Kevin Mc Daniel, V P Specialists in multiple lock door hardware.

Guard Secur ty Haraware Guard Secur y Hardware 808 Georgic Ave. Breaklyn, NY 11207 1718) 272 i 540 FAX: 1718) 272-8335 Key Personnel, Howard Berger, Pres.; Robert S. Winterstein, VP. Manufacturer of Guard, Encoda, Magnum II, Damond, Lien

Guardian America I Home of PepperBlast 2501 W. Behrend, Bldg. 37 Phoenix, AZ 85027 1602; \$16-841 I FAX: 1602; \$15-8460 Key Personne. Steven Paul, President We after personal protection and security iroms from 1.5 million. Scraylle heat units, pepper security. from 1.5 million Scaville heat units, pepper spray to personal clarms, from e outconation systems also available

Gun Vault, Inc. 7735 E. Redfield Rd., Suite 400 Scottsdale, AZ 85250 [602] 951-6855, (800) 627-4903 FAX: [602] 951-6584

Continued on page 84

Key Personnel: Thomas Loeff, Pres., Lewis New Fascillate Mgr.
Manufacturer of the MiniVauli™ and
MultiVauli™ rap d access safes.

See ad on page 98

Hager Hinge Co. 139 Victor St. P.O. Box 12300 Soulard Station St. Louis, MO 63104 1800| 325-9995 FAX: 1800| 782-0149 Key Personnel: A.W. Hager III, Pres.; John Watawa, VP-Sales; Frank Bloecher, VP-Architectural Soles Architectural Sales Hager Hinge, in business for over 145 years, manufacturers contract grade hinges, spring hinges, electric hinges, ROTON continuous geored hinges, and consumer and residential hardware.

Hamilton Products Group, Inc. 2009 N. 14th St. Arlington, VA 22201 [703] 527-8484 FAX: [703] 527-8487 Manufactures GSA Approved Security Containers. Ut Listed modular vaults and vault acors, safe deposit baxes, money chests, night depositories, driverup windows and other products for the banking industry.

Hampton Products International Hampton Products International
35 Hammond St.
Invine, CA 92718
(800) 562-5625
FAX: (714) 472-9657
Key Personnel Kim Kelley, Pres., Robert
Wilkosz, VP, Sales and Mirktg., John Neeley,
Mktg. Mgr. Cust. Svc. Div.
Hampton affers a complete line of high quality
padlocks, including patented high security solid
steel, solia brass, laminated steel.

weatherproof, rustproof and waterproof. In addition. Hampton also afters shackle protectors, ladder locks and realty lock baxes, as well as many other security products. Hampton's laminated padlocks leature ZTT

## Hanchett Entry Systems, Inc./H.E.S.,

Harchett Enry Inc. 216122 N. 7Ih Ave. Phoenix, AZ 85027 (602) 957-2472, (800) 626-7590 FAX (800) 626-7590 (602) 582-4641 Key Personnel: Leiand J. Hanchett, Jr. Pres., Michael A. Webb, VP-Mktg., Dove S. Smith, E. Sales Mar. Sales Mgr. H.E.S. manufactures a complete line of heavy H.E.S. manufactures a complete line of heaved by UL fire door and burglary resistant listed electric strikes able to accommodate vinually every type of lockser, including the ability to release a 1' deadbot. H.E.S. also manufactures a new line of adjustable.

electromagnetic door holders used with fire and

### make barrier doors See ad on page 59

Hardware Technologies Ltd. 1120 N. Moin Street Fort Alkinson, VVI 53538-0158 (414) 563-2626 FAX: (414) 563-4408 Key Personnel, Sandro Kurz, GM; Scott Ney reisonnel, Sandro Kurz, GAV, Scott Trogner, Prod. Mgr. Hardware Technologies (td., special zes in the manufacture, supply and servicing of multi-point locking systems and handle sets for the window and door industry, HTL's product line includes, but is not limited to, mortise locks, lever sets, profile cylinders and more.

A Member of the Tesa Group 501 Railroad St. Toylorsville, KY 40071

1800| 542-7562 FAX: 1502| 477-8831 Key Personne - Woyne A. Kolbus, Pres Harlod Products is now a member of the Tesa group. Hadoc affers value-oriented retail hardware programs to sturgy, heavy auty lock and lever sets designed to withstand even the most puri shing of commercial applications.

Harrison Electronic Systems
51 Gravel St., Box 1758
Wilkes-Barre, PA 18705
(717) 825-0540, (800) 422-5050
FAX: (717) 823-6343
Key Personnel: Karen Keefer, Pres., Griff Keefer,
VP Sales: Rich Smith, Nat'l Sales Mgt.
Harrison Flectronics, webide security. Probles: Rich Smith, Nat I Sales Mgr.
Harrson Electronics, vehicle security
manufacturer since 1971, offers Hellfire remote
control alarm systems, starter kills, sensors,
pagers and installation hardware. The Hellfire
300 self-contained alarm is a simple two-wire
installation. Harrison is a full service company,
providing toll-free technical support, installation training, and consumer displays and brochures.

## Hayman Safe Co., Inc.

Oviedo, Fl. 32765
[800], 444-5434
Key, Personnel: Gary Hayman, Don Jenson
US manufacturer of guaranteed sales for 25
years: money chests, voults, 25 models of
depository and 22 models of in-floor sales,
featuring the revolutionary patient pending
FS4000 polyethylene body sale. Patiented
hinge allows interchanging 1/2" and 1" doors
with no tools. Shipped direct, freight free any
quantity. Burglary, line, seepage guarantees. seepage guarantees.

See ad on page 20 Hercules Industries, Inc S. Main St. Box 197 Prospect, OH 43342



SRi and Tech Train Productions are the automotive special ists - your best source for automotive tools, manuals, and videos.

(800) 345-2590, (614) 494-2628
FAX: (614) 494-2274
Key Personner Ray W., Miller, Pres., Ranald D. Rowland, Mr.; Dave Hook, Dir. Ob.
Hercules Industries Inc., was established in 1969, basically as a publick component manufacturer. We now supply a complete line of self dibrass tumbler prin badlacks with a wide selection of brass or steel shackles or special made to order.

HEW! Inc. 2851 Old Free Drive Lancaster, PA 17603 J. 717 J. 293-1313 F.A.Y. 1717 J. 293-3270 Key Persannel: William Fergusan, A.H. C., VP, Ernest Winter, VP Sales & Mktg. Manufacturer of hylan bardware in 13 colors with contemporary design and consistent styling. Fraduct range includes door hardware, railing systems, harmonm accessories, cubinet pulls, hacks, grab hars, shower and tub seats. Marry items are appropriate for barrier free environments.

Hawarha Inc., 1. Industries 4450 W. 78th St., Circle Bloomington, MN 55435 (612) 835-4944 FAX. (612) 835-2218 Key Personnel: Robert Dunn, Pres., Kirby Bayerle, VF-Sales/Mktg., Don King., Cust. Svc. Mar. For over 30 years, Hiowatha Inc. has been manufacturing architectural door hardware naturaling pulls, pushes and plates. In the last six years, I frawatha has added products such as vision lines and lauvers, neavy duty tubular custom pulls and hybrid color pulls, and our latest addition a shower door hinges and pulls.

**High Tech Tools** 

Mami, FL 33135
(305) 649-7014, 1800) 323-8324
FAX: (305) 541 0074
Key Personnel: Tany Vigil, Pres.
Manufacturer of automative lock-out tools for all makes and models of cars. Yearly updates of tools for new models. Locksmith roots, supplies and printing for the locksmith hode.

See ad on page 47

Hill Security Products E. 711- 7 Walton Ave Spakane, WA 992073099 1800; 7221142, [509] 487-1142 Key Personnel Ruth E. Bower, Owner/Mgr. Toki E. Willer, Exec. Asst.; Ilean M. Nelson, Admin, Asst.

Admin, Asst.

Since 1959, we have manufactured the 39 N.

Okay's Key Sale for men's belts now avairable in black 39 NX8. For helitless trausers, the 37-C, 37-CB, 79-G, and 79 NB in grey and black is longer for wide [Sam Browne] belts. Also chains in 6" and 18" lengths, 49-NX, 49-NSX, and [65 N 18"].

Hirsch Electronics Inc. 1751 Longley Ave. Irvine, CA 92714 [714] 250-8888 Key Personnel: Larry Midland, Pres : Rich Fosier, Exec. VP

Har zan Safe Monufacturing 7034 S. Elmer Ave Writtler, CA 90602 (310) 698-0789 Key Personnul, Carey Edwards, Sales Mgr Harrizon Sale manufactures quality square door floor sales, including B, C/B, and C rates. Both hinged door and lifted doors are available. Houzan is also a full line, stacking distributor for Horizon is also a full line, stocking distributor for Gardall Sale Corporation. Also available are 11.5 and TL30 units custom made to order

Horten Automtics 4242 Baldwin Corpus Christi, TX 78405 800-531-31 | 1 FAX: 800 531-3108 Horlan Automatics manufactures the largest line of automatic enhance products. This line includes pedestrian swinging, sliding, bifolding, and revalving doors and operators for commercial applications as well as automatic industrial doors. Our worldwide distributor network offers professional installation and service on all our products.

HPC, Inc.
3999 N. 25th Ave.
3999 N. 25th Ave.
Schiller Fark, I. 60176
[798] 671-6280
FAX [708] 671-6343
HPC Services [800] 323-3295
Key Personnel: Jerry Hoflman, Fres ; Alan
Bitstein, VP Sales, Francine Hoflman, VP Mktg.,
Alan Goeke, Dir. of Op.
For over 35 years, a manufacturer of key
machines, key cabinets, acksmith tools, and machines, key cabinets, locksmith roots, and code pooks. A publisher and educator to the See ad on pages 2, 3, 4, 13

Hurd Teck & Mfg. Co., Inc. Div. of Avis Industria 503 Bahonnon Ave. Greeneville, TN 37743 1615', 639-4101 (800) 877-2581 FAX: 1615', 639-0266 Kriv Personne - Steve Bone, Pres.; Dan Avisa - & Sales: Mark Ste Bassford, D.r. Mktg. & Sales: Work Stewart, FIT. bit. Carth.

Hurd Lack specializes in manufacturing a variety of lacks and lackser applications for the automotive and industrial markets. It is a rully integrated. [IT manufacturer, utilizing SPC, and advanced quality planning. State of the on engineering design, coupled with stron



**HPC** has it all: Key Machines, Software, Books, Car Openers, Pick Sets, Tools, Door Guards, and Key Cabinets

monufacturing capabilities provides 100% on time delivery.

Hydrosorbent Co.

25 School Street
Ashley Falls, MA 01222
(800) 448 7903
FAX: (413) 229 8743
Key Personnel, Brady Brown, Pres.
Distributors of Silica Gel Units, Chemical aehumid fier prevents condensation within enclosed areas. Slops rust, mildew, correston,

## See ad on page 111

taenticated Technologies Corp.
1824 Colonial Village Lone
Loncaster, PA 17605
(717; 299-3610
FAX; (717) 299-4122
Key Parsonne: Brent VV. Iles, VP/GM; Ann
Diazba, Sales & Mktg.; Phil Siles, Op. Mgr
Idemicated Technologies is a security products
manufacturer specializing in building black
access control systems. Offering a complete line
of access products starting with a single-door
system up to a PC based system controlling
thousands of doors.

Ilco Unicon U.S. P.O. Box 2627 Rocky Mount, INC 27802-2627 [919] 446-3321 Canada: 7301 Decar & Blyd. Montreal. Gueber: H4F 2G7 15141 735-5411

Ill ricis Lock Ce
Div of The Eastern Co
30.1 Hintz Rd.
Wheeling, IL 60090
[7081.537-1800.] 800] 733-3907
[FAX. 708] 537-1881
Key Personnel, Brian D. Reed, Ming. Director;
Paul Spietzer, Gen. Sales Migr.
Manufacturer of high security locks that are targeted for the O.E.M. Marketplace.
Engineering facilities for virtually any application.

In AFloor Safe Co.
P.O. Box 8312
To Crescenta, CA 91224-0312
12131-749-2448 (818) 249-7387
FAX: 1818) 249-7487
Key Personnel: Carl I. Belknap, Flora W. Belknap,
Inventors of infloor type safe, Manufacturers of In-AFloor Safe and replacement safe doors.
Established 1925.

Indiana Cash Drawer Co.
1315 S. Mirler St.
P.O. Box 236
Shelbyville, IN 46176
[317] 398-6643
Key Personnel: William T. Showers, Pres., J.R.
Showers III. Sec/Treas.: Robert Benavides, VP.
Soles & Mittg.
Indiana Cash Drawer Company manufactures a broad line of manual and electronic cash arowers in wood or steel with over and undercounter installation options. The manual TD-1 model has fingerpull locking assembly, an aram sounds if lacking mechanism is impraperly monipolated.

Infographic Systems Carp.
4462 Corporate Center Dr.
Los Alemitos, CA 90720
(714) 220-4980
FAX: 1714) 828-5763
Key Personnel: Doug Groham, Mktg. Director.
John Finamore, VP Sales
Intagraphics - An American Company - Serving american needs from a service door to 1000+
rhoors; Stand Alone S10 [1-8 Doors],
S100/200 [1-64] Doors, Unix based "M"
Series [1-1000] Doors, 1-32 [O/S2 Multi

Processori. 1:1000 - Doors, sales and distributing, U.S., Canada, Europe and Far East

Innovalive Moving Systems, Inc. P.O. Box 181.
Casiburg, WI 53070
[414] 564-6272
FAX: 1414) 564-2322
Key Personne Steve Harrison, Pres., Jim Kee, VP: W. H. Harrison, VP.
Lectro Truck, a ballery powered hand truck.
One man moves load up to 600 lbs. and more, Maneuvers load with pushbutton ease up and down steps, on and off trucks, semis, vars, loading docks, around corners, over landings and bulkheads. Strong steel construction moves with greater safety. 1500 lb. load.

Intelligent Controls, Inc.
6825-21 6th St. SW
Lynnwood, WA 98036
(900) 842-0221
FAX. (206) 775-1641
Key Personnel: Jeffrey R. Kruse, Exec. VP: Robert R. Percival, Fres.; Jeffrey I. Hovorka, Prod. Mgr. The 870SX Door Manager is Intelligent Controls stand alone access reader. With memory up to 250 covert encrypted coroade cords. The 870SX Door Manager is designed to allow people access into a out-ding, room, or storage area. This stand alone reader is also a cost effective method of adding automation to your parving lociity.

Intelack Technologies
6723 Sierra CT, Ste. A
Dubin, CA 94568
1510; 551-3700
FAX-1510; 563-2122
Key Personne Tom Corder, Prest: Tom
O Rourke, Natil, Accts, Mgr.
Intelack Technologies provides Intelack 1000,
2000, and 3000 series of key optional entry
lacks Intelack provides the ultimate solution to
low cost electronic access while answering the
never ending problem of last, stolen or forgotten
keys. Intelack offers advanced technology for
security and convenience for you and your

## International Locking Devices Ltd.

104.4 Branford Rd
No. Branford, CT 064.7 II
(203) 481-6738
(800) 863-9600
FAX (203) 481-5490; (203) 483-2498
International locking Devices Utd. manufactures and distributes newest line of chair Tink Tence gate locks on the market. Those locks replace the "ugly" method of chains and padiocks. For residential, commercial and industrial applications. Parks, condominiums, swimming pools, residential gates, power points, warehouses, etc. Coll us direct for product brachure and information.

## See ad on page 163

Intralock Tools Ltd. 105 12779 80th Ava. Surrey, B.C. Canada V3W 3A6 (604, 596-8900 FAX: (604) 590-4947 Key Personne Gordon Parr. Pres : Jim Brooks, VP We are the manufacturer of the ITL 9000

We are the manufacturer of the ITL 9000 outcomed key cutting much ne and the ITL 900 Code Machine.

ISM/SPC - Israel Sale Manufacturing 31.5 Faitheld Rd. Faitheld, NJ 07004 (2011) 808-1233 FAX (2011) 882-6625 Key Personnel: Domon Brousard, ISM Mktg Mgr. ISM passed the TI-30, TRTI-30 and TRTI-30x6 UL tests. Manufacturing since 1914, supplying the USA since 1979, ISM exceeds standards worldwide, ISM introduced High Security safes for USA UL approval, ISM alone maintains the highest UL rating, ISM, the standard by which sales are judged

Italbrass Corporation
21 Lime St.
21 Lime St.
Marblehead, MA 01945
(617) 639-1992
FAX: [617] 639-2458
Key Personnel: Antonio Mussa, Pres.
Manufacturers of fine contemporary and readitional door hardware. Latchsets, mortise sets, deadboll sets and narrow locksets are available in many designs and finishes.
Guaranteed solid brass finishes available.
(Inoxbrass)

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62 Barnes Park North
Wallingford, CT 06492
(203) 294-4837
FAX: (203) 284-1460
Key Personnel Steven Carletti, VP-Sales &
Mittg., Stacey Callahan, Contract Mittg Mgr;
Timothy O'Kane, Nat'l. Sales Mgr
Since 1876, H.B. Ives has been manufacturing
line builders and home hardware for the
commercial institutional and residential markets.
The line includes flush bohs and coordinators,
surface bohs, architectural door trim, door stops
and holders, window hardware, hooks and
brackets, cabinet hardware, latch sets and
mortise bolts, exterior door hardware and bath
accessories.

JADO Bathroom & Hardware
Mig. Corp.
4690 Calle Guetzol
Camarillo, CA 93012
(505) 482-2666
(505) 484-4799
Key Personnel: Richard Wickham, Mktg. Mgr.;
Carole Olivier, Office Mgr.
JADO manufactures solid targed brass door and cobinet hardware including thumblatch entronce sets, aftering a full range of distinctive traditional, classic and modern creations. Each item is the symbol of JADO's commitment to "high quality" products made in Germany."

Jovelin Electronics 19831 Magallan Dr. Tomance, CA 90502 (213) 327-7440 FAX: (213) 327-5405 Key Personnel Graham Wallis, Pres.; Roy Payne, VP Eng Manufacturer and distributor of classed circuit television equipment and systems.

Jensen Tools Inc.
7815 S. 46th St.
Phaemx, AZ 85044
1602) 968-623 j
Key Personnel: Gary Treiber, Mktg. Mgr.:
George Wakefield, Prod. Dev. Mgr.: Jean
Hogg. Sales/Service Mgr.
Jensen Tools Inc. is a monufacturer of tool kits
for the electro-mechanical and electronics
technician. The company sells tool kits, tools,
tool cases, shipping containers, and test
equipment through national catalog distribution.

Jet Hardware Mfg. Corp. 800 Hinsdale St. Brooklyn, NY 11207 (718) 257-9600 FAX (718) 257-0973 Key Personnel: Alfred Schonberger, Pres., Fred tang, VP, George Buchinger, Sec'y / Treas, Muhulacturer of high precision key blanks, tubular keys, Personaline, engroved key blanks, Squarousel key rack disolay, keyboard display, key cutting machines, plastic-head keys.

JWT Corporation 2122 Country Club Dr.

Continued on page 88

Bldg, 2, Suite 220
Carrollion, TX 75006
(214) 4167 174
FAX (214) 416-6102
JWT Carporation (JWTC) located in Carrollion, Texas was formed in September of 1993 for the purpose of bringing new products to the market place JWTC first project was the marketing, sales and manufacturing of "THE ORIGINAL DOOR STOPPERTM" super lock, a new personal security product

Koba High Security Lacks
P.C. Box 490, 384 Old Tumpike Rd.
Scuth rights. CT C6489
[2031-621-3601]
FAX. (2031-621-9727
Key Personnel: Tom DiVita, CEO, John
Bergstrom, Sales & Mktg. Mgr.
Kaba High Security Locks manufactures Kaba
Gemini® Ut listed lacterity and security
cylinders, Kaba Peaks® Patent key control
cylinders, Kaba Peaks® Patent key control
cylinders, and Kaba Telak® patented electromechanical cylinders. Kaba High Security Lacks
is a member of the Bauer Kaba Graup, the
closest and largest manufacturer of high security
cylinders in the world.

Kaddies, Inc.
1601 N., Main St. #203.
Walnut Creek. CA 94596
1510) 934:4488 (800) KADDIES.
FAX: (510) 934:4492.
FAX: (510) 934:4492.
Make of the Too Kaddie, a dolystye tool and parts organizer on wheels.

Karper Slee Custom Doors & Frames 181 Roems Creek Rd F.O. Box 67 Weaverville, NC 28787-0067 1704) 645-4821 FAX: (704) 645-3230
Key Personnel: Rochel Smith, Pres., Joseph Karpen, VP
Karpen Steel Custern Doors and Frames is a quick-ship manufacturer of custom hollow metal doors and frames. All orders are manufactured to the customer's specifications and needs.
Karpen guarantees shipment of most orders within 10 working days. Underwriters Laboratories labels are available.

Ke-Master
60 Starlitter Ave.
Dover, DE 19901
1302) 678-7800
FAX: (302)678-7809
Key Personnel-Penny Reiss, Nat'l Sales Migr.
Ke-Master manufactures single rag and dual tag
key cabinets and key control systems for
arganizing and securing from 20 to 800 keys.
Also available are key tags, file drawer key
racks and wall key boards.

Kee Company
25010 Avenue Tibbits
Valencia, CA 91355
[800] 7000 KEE [805] 294-0795
FAX: [805] 294-9562
Key Personnel: David Frump; Craig Frump
Kee Company has been in business since
1970 manufacturing card access control
systems that range from the simple system to the
on line access systems.

Keedex Manufacturing
1293 | ShackeFord Lane
Carden Grove, CA 92641-5108
[714] 636-5657
AX. [714] 636-5680
Key Personnel: Gormoc "Woo" Dorsey, Nat'l
Sales Mgr.; Julie McCluney, Partner: George
Hill, Partner

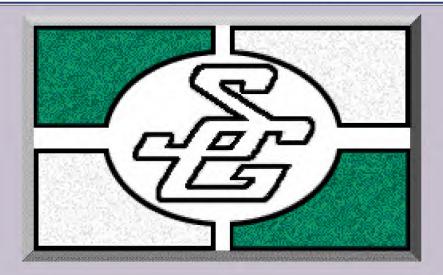
Hill, Partner Keedex martufactures tools and supplies for the tocksmith and safe industries. Locksmith products include reinforcement plates for aluminum frame doors, cylinder guards, weldable gate boxes, 12 voit motors, dip removal tools, tallowers and the Protect-A-lak. Sale products include the Safe Buster, change key sets, sale repair kirs and safe drill bits.

See ad on page 52

Keefe Mkg. Co.
23 Lexington Ave.
Trentor., NJ 086 18.
1609; 882-2290.
Key Personnel John Keefe, Rich Keele.
Manufacturer of wood plugs and templates, security strikes and installation libitures for installing mortise looks, Adams Rite, Tush balls, keymrkinob, deadbolts, etc.

Kenstan Lack & Hardware Co.
Lóó West Hills Rd
Huntington Station, NY 11746
[516] 271 2700
FAX: 1516] 271 2759
Key Personnei, Hans Bosch, Pres ; Bab
Harrison, VP Op.
Monufacturers of cabinet arid showcase locks in
five security levels. They include Disc Tumbler,
KeyMatic, Pin Tumbler Interchangeable Cores,
and Medeca cores in our complete line of
cabinet and showcase lock housings. These
cabinet locks are available in a variety of
platings and keying plans, including Master,
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Kent Moore Div. SPX Corp. 29784 Little Mack Roseville, Mi 48066 (810) 574-2332, 1800) 345-2233 Fax: 1800) 578-7375 Key Personnel: N. Robert Kindig, Sales/Mikry Mgr.; Todd Downs, Prod./Prom. Coerd nator Kent-Moore is an automotive special tool manufacturer for General Motors. We have



Choose S&G Comptronic electronic safe locks for...security... technology...tradition.

designed and developed special automative lacksmith tools to make your job quick and easy.

Kenwood Communications Corporation P.O. Box 22745
Long Beach, CA 90801-5745
(800) 950-5005 (310) 639-4200
FAX. (310) 761-8246
Key Personnel Tom Wineland, VP
Communications
Manufacturer's of Land Mobile Radias
Conventional and truncked mobiles, portables, repeaters and desktop base stations

Keri Systems, Inc. 1530 Old Oakland Rd. #120 San Jose, CA 95112 (408) 451-2520 FAX: (408) 441-0309 Key Personnel Chuck Fontana, GM; Keith Cahalen, W. Coast Sales Migr., Mike Bevan, E. Caast Sales Migr., Mike Be

Kett Tool Co. 5055 Madison Rd Gina nacti, OH 45227 1513] 271-0333 FAX: 1513] 271-5318 Key Personne H. Rowe Hoftman, Chim.: William A. Berlier Pres ; Rick Fowkes, Sales Mgr Tade names-Kett specialty curting sows, shears,

See ad on page 101

Key Sure
P.O. Box 439, Prince Station
New York, NY 10012 0008
[212] 219 0015
FAX: [212] 219 0015
Key Personnel. Len Sideri, CEO
Keysure, a plastic key cantrol container, that
protects keys individually. Signatures ore
required to make it work. Access to the key s
not possible without breaking the container,
indicating its use. Keysure is not reusable.
Keysure is available as a system for 100's of
keys, and is available in blue and clear

Key Systems, Inc. 948 Culver Rd., Rochester, NY 14609 (716) 654-9388 FAX (716) 654-7916 Key Personnel: George Eckerat, Pres.: Bruce Fredericks, VP Manufacturers of Velcro-backed key storage devices consisting of portable key coses. Tile inserts hading up to 1000 keys in a drower, metal cabinets and electronic key control cobinets.

Keydex International Inc.
P.O. Box 1887
Oldsmar, FL 34677-0034
/8131785-3535
FAX. [8131785-7627
Key Personnel: Howard A. Osoisky, Pres.:
Barbara J. Osoisky, Ex. VP.
Manufacturers of Keysaver®.

KeySoft Mosterkey Software 854 So. Redwood Rd Solt take City, UT 84104 (801) 972-1369 Key Personnel: Rick Wilkinson, Pres ; Melanie Wilkinson, VP Keystone Novelty Co. Inc. 137-17.71st Ave. Flushing, NY 11367. [718] 544-1734. FAX. [718] 544-1872. Key Personnel: Hy Kom. High quality key imags and accessories. Product line includes the lowest prices an snap klips, wrist colls, cutters, key I.D. rings, key I.D. covers, key I.D. tags, bullits, whistes, knives, tape measures, larryards, luggage locks, splitnings, etc. Free catalog available on request

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Huntingdon Valley, PA 19006-0502
(215) 627-8076
FAX (215) 627-6419
Key Personnel: Edward C. Dornisch, President
Keystone Sale: Distributors carries a complete
lime of low cost, high quality safes, including
floor sales., B & Cirated burglary safes, TL15,
TL-30, hopper safes and will make custom safes
to your requirements. Also carried is the largest
selection of "drop boxes" in the industry.

**Killeen Security Products** 

33 Hermon 5:
Worcester, MA 01610
1508; 754-1714
FAX: 1508; 723-2183
Key Parsonnel. Norman Daucet, Pres ; Doug Maston, VP
Manufacturer of Interchangeable care products. Interchangeable with Best, Falcon, Arrow. Eagle and Lackwood
See ad on page 54

Kinduell Screen Printing 110 Center St. Wilder, KY 41071-2998 1606) 581-5444, 1806) 354-9877 FAX, 1606) 581-2322 Key Persannel Angela Zapp, Customer Svc.

# NATIONAL AUTO LOCK SERVICE, INC.

National Auto Lock Service, Inc. offers a wide range of equipment and services for the Automotive Locksmith. From tools and hard to find key blanks to transponder programming, we can take the mystery out of car service. We accept credit card orders, and can ship COD. Contact us for the latest in automotive technology.

www.laserkey.com

Mgn.
Printer of reflective and non-reflective selfochesive decals. Award winning designs. Die culting art department. Frespace Lettering. Founded 1953

Knaack Mfg. Co. 420 E. Terra Cota Ave. Crystal Lake, II. 60014. I8 15! 459-6020, ISOOI 456-7865. FAX: I8 1.5! 459-9097. Key Personnel: Steve Moore, VP-Sales, Rick Bielski, Nat'l Sales Mgr. Weather Guard starage boxes, drawer units and racks for picsups. Weather Guard starage shelves, lockable cabrinets, parts cabrinets, drawer units, builkhead partitions and rack for vans. Knaack job site storage boxes, sabrinets, workbenches and work stations.

Knight Safe Mig.
10626 E. Rush St.
South El Monte. CA 91733
(818) 350-6087, [860] USA-BILT
FAX. (818) 350-6154
Key Personnel. Don Moore, Pres.; Dale Emmert, CLSL Svo. Mig.: Art Corona, VP Mig. Manufacturers of THT5, THS0, "3" and "C" rated money chests. Custom designed chests for commercial and bank equipment dealers.
Dealer sales only

Kustom Key Inc.
10.10 Aviation Drive
Loke Havas, City AZ 86403
1800; 537-5397
FAX, 1800; 235-4728
Key Personnel: Dave Vedoer, Pres.; Michael
Vedder, GM: Tony Profera, Dir Mkra
Manufacurers of Neuter Bow Key Blanks
incised or embassed with company names or
custom messages. Also available are large powkey blanks commonly used by hotels and
available in three styles, live shapes in over

500 keyways. Company also manufactures the "LoKey" plants with embossed graphic designs on large bow.

See ad on page 55

Kwikset Carparation
One Park Flaza, Ste. 1000
Irvine, CA 92714
[714] 474.8800
FAX [714] 474.8879
Key Personnel; Dennis Heiner, Fres.; Mike
Convey, VP of Sales: Bab Shartt, VP of Mktg.
Manufacturer of Kwikset and Titan brand name
lockets, translesets, leversets, deodbolts and
other security door handware.

KXL Corp. 3010 N. River Rd. River Grave, IL 6017 1 1708) 456 453-1788 FAX: 17081 456-9476 Key Personnel, Signey Falk, CEO

LAB Security
P.O. Box 350
Temyville, CT 06/786
[800] 243-8242, [203] 589-6037
FAX: [203] 583-7838
Key Personne - Robert A. Labbe, Chmn / Pres.;
Gerold G. Roroback, VP; Crosny J. Kelly, VP.
Soles/Mktg
Manufacturer of calor coded reprocement prins and original manufacturers pins, universal pinklis and original pin kits, locksmith picking instruments and professional table. LAB products are the choice of professional locksmiths and the firest lock companies worldwide.

latch-Gore Co., Inc. P.O. Box 425 110 South Elkhart Waxarusa, IN 46573 1219) 862-2373 FAX: 1219) 862-2459
Key Personnel: Randoll Mayer, Pres.; David Geiger, VP.
Larch Gord's new products for complete larch protection. Seven new models have been odded using special lasteners for a cleaner interior look. Different model sizes allow for varying door and larch application. Models evollable in zinc, durandic or bright brass funsh. Special, amb pin on original models prevent prying of door.

La Gardina 3330 Kashiwa St. Tarrance, CA 90505 (310) 325-5670 FAX: (310) 325-5615 Key Personnel Larry Curter, Pres., Susan Gartner Papa, Sales Mgr Manufacturing of electronic and mechanical access control for sores/security containers.

Lawston Industries, Inc.
P.O. Box 906
Muskego, WI 53 I 50
[414] 579-0045
FAX: J414] 579-2505
Key Personnel: Jerry Luetigen, VP Soles; Denise
Boker, Cust. Svc. Mgr.; Jack Pedersen, Nat'l.
Acct. Exec.
Manufacturer of Automatic Entrance System for
chain stores, disports and hospitals, Designed
for heavy traffic, plus to meet all ADA needs

ICN Closers
121 W. Railroad Ave.
Princeron, IL & 1356
18151 875-331 I
FAX. (8151 875-3222
Kay Personnel: R.C. Ney, Mktg. Dr., P.J.
McCarmick, General Sales Mgr.
ANSI Grade One architectural door closers,
Sentraric Series life salety closer/haders,
concealed and surface mounted security



## Free freight!! No middle man!!

clasers, door controls that meet the newest accessibility codes for use by people who are hardicapped

LDM Enterorises
P.O. Box 191
Van Nuys. CA 91408
1800| 451-5950
FAX: [818] 786-7697
Key Personnel: Les le Schailm-Medina, Sonny Medina
National distributors for over 17 years of tools, keys. picks, car opening tools, ignitions to locksmiths and auto repossessors. Briggs & Straton, All-Lock, Pro-Lock, HPC, Ryran, Keedex, Jet. LTI, Baxter, Slide Lock.

LeFebure Corporation 308 29th St. NE Cedar Rapids, IA 52406 FAX: [319] 366-7608 Key Personnel: Joseph Patton, Pres., Kevin Fee, Dir. Mklg. & Eng.; Al Ryan, VP-Svc.

David Levy Company, Inc.
12753 Moore St.
Cerritos, CA 90701
1301; 404-9998
FAX: 1310; 404-9698
Key Personnel: David tevy, Pres.; John Latino, St. VP; Al Shifman, VP
The David Levy Company is a manufacturer, importer and distributar of electronic parts & accessories. Product emphasis is an electronics for mabile electronics and installation accessories. A major division is Black Widow Vehicle Security which includes a full line of alarms and accessories.

L.J., Security Products 908 North Louise Suite #5 Glendale. CA 91207 (818) 244-6648 Key Persannel: Y.J., McCall, Pres.; L. McCall, VF; D.A. LaTour, Adm. Asst Safes, you is and custom safe manufacturing is our specialty. Specialized security equipment in all phases of physical deterrents.

Liberty Hardware Mfg. Cc.
928 Alton P.
High Point, NC 27263
1979/434-5651 [800] LIBERTY
FAX: 1919/434-3364
Key Personnel: Ray Plunkett, Nitl. Sales Mgr.;
Karon Walls, Acct. Rep
Liberty has been manufacturing door hardware
for over 150 years. Liberty's vast product line
includes door claser, exit devices key inknop set
and interchangeable cores.

Liberty Sale and Security Products Inc., 1060 N. Spring Creek Place Springville, UT 84663 (800) 247-5625 FAX: (801) 459-6409 Key Resonnel Jay Crosby, Pres.; James Skousen i Mkg. Dir. Liberty Sale and Security manufactures 18 distinctive models of the most technologically advanced home sales in the world, isales that are not only secure, but afficiency, functional, and affordable as well. We after the highest standard of quality at an affordable price.

Lifetime Products
R: 78 South
Kewanee, IL 61443
1309; 853-3387
FAX, 1309; 853-3389
Key Personnel, Jean Kaine, GM, Jim
Themanson, Mktg. Mgr.; Lanny Hulslander.
Sales Mgr.
Lifetime's lither-oad elevating platform trailer
raises the load from the ground up to 54° high,
Idea; for delivering safes, ATM's and vau I
doors, 4,000 b. to 15,000 b. copacities.

Lindustries, Inc.
21 Shady Hill Ro.
21 Shady Hill Ro.
Weston, MA 02193-1407
[617] 237-8177
Key Personne: Willard H. Lind, Pres., Louise T. Lind, VP.
Lindustries, Inc. manufacturers for distributors and locksmiths leveron, a product that converts all standard doorknobs to lever action, Leveron is installed without removing in place hordware and has no visible means of fastening. Codecomplaint, Leveron has Veterans Administration appreval and was designed to address ADA.

See ad on page 95

Lon Security Products
26.1.1 Ulysses St. NE
Minneapolis, MN 55418
[612] 789-7657
EAX: J612] 789-0706
Key Personnel: Sol Dileo, Pres., Belh Dileo,
Operations Mgr.
Lon Security Products introduces a full line of
personal salety alarms and distress sirens. The
Body Guard Personal Alarms combine a 120
dB pulsating siren with a liashlight or strobe
light/distress signal. They operate off a nine volt
battery and fit right in your hand or in your
packet

Litton Poly Scientific
1213 N. Main St.
Blacksburg. VA 24060
[Backsburg. VA 24060]
FAX: 1703] 953-1758
Key Personne - Jim Vanhaozier, Sales Manager
Terminus® Perimeter Intrusion Detection System
including shock sensors for windows, walls and
fences available in standard and recessed
models, audia discriminators for glass break
detection, the full line of Paradox PR matien
detectors and control panels, SuperVision® XL



To be a World Leader You Need Quality Products, Innovative Technology and Strong Partners.

security monitoring and access control system with windows and icons

Lock Corporation of America Hwy. 14 North, F.O. Bax 71 Viroqua, W. 54665-0071 (608) 637-8428 FAX [608] 637-8427 Key Personnel. Thomas F. Rust, G.M., Karen M., Brueggen, Office Mar / Inside Sales Mgr., Lock Corporation of America manufactures tarsion tumbler cylinder (double-sided key) and multilever [flat key) tocks. The following styles are available carri, drawer, palmet, push and locker locks.

lock Technology Corp. 085 Main SI New Rochele, NY 10801 (91416324373 FAX: (91416326407 Manufacturers of high security key machines. Manufacturers of locksmith specialty tools.

lack Technology, Inc. 552 S. Washington, Suite 108
Naperville, It. 60540
1708 | 369-6060, (800) 421-724 ]
FAX. 1708 | 983-5967
Key Personnel: George C. Stackin, Jr., Pres ;
Ellery E. Casey, VP
Lack Technology is a major supplier of car opening tools and automotive rocker pick sets for all comestic and foreign cars. ITI also supplies repossession and after specially locksmith tools through locksmith distributors.

Locknetics Security Engineering 575 Birch St P.O. Box 9337 Forestville, CT 06010 [203] 584-9158 FAX: [203] 584-2136 Key Personnel: James Scott, Pres.; George Nortonen, VP-Mxtg./Sales; Kolaen Mazzachi. Cust. Svc. Mar. Cust. Svc. Mgr. Locknetics Security Engineering designs, manufactures and markets a broad line of manuactures and markets a bracal line or electromagnetic and electromechanical security and door control systems. Our new generation of electronic security systems sets a worldwide standard for strength, precision and pedamance and is used to produce a variety of security and life salety solutions.

Locksoft, Inc.
P.O. Box, 3168
Brissol, TN 37625-3168
[6151652-2454]
FAX: [6151652-2797]
Key Personnel: Adam Blum, Pres.; Billy B.
Commercial and custom computer software for the lacksmith and lock manufacturer and their the locksmith and lock manufacturer and their end user customers. Masterkeying, key control, point-of-sale, accounting and codes.

Lok-Safe® Products Div. Of Security Airline Sales, Inc. P.O. Box 660528 Mami Springs, FL 33266 (305) 884 2443 FAX: (305) 885-8800 Key Personnel, Jack Lucey, Pres.; Mary Lucey,

Lok-Safe® security products have been available through locksmith distributors for over twenty years. Products include lack models for use on patio doors and lot both wood and metal windows. The locks are machined and assembled in Miami Springs, FL. All components are of U.S. manufacture.

Lar Lock, Division of International Security Products Old Tumpike Road Scurhington, CT 06489 (203) 621-3605

FAX: (2031 621-5972 Key Personnel, Aridy Meade, Pres.; A.J. Meade, VP Sales & Mirktg; George Vespoli Cust. Serv. Mgi.
Monutacturers of solid brass mortise, rim and insert cylinders, mortise cylinder deadlacks, limmyproof rimlack, super bracker, mailbox and each as a set.

lucky Line Products, Inc. 7890 Dunbrock Rd. San Diego, CA 92126 (619) 549-6699 (CA), (800) 654-6409 (Nerl), FAX: (619) 549-0949 RAC 10191349-09-99
Key Personnel Ray Howard, Pres.; Erin
Palmeter, Dir of Mktg. & Merch.; Gayle
Newman, Sales Mgr.
Lucky Line Products, Inc. is a leading supplier of key fine Products, Inc. is a leading supplier of key fings and key accessories to the locksmith industry. Complete merchandising units, key tower racks, and counter displays are available and include such products as Twisty®, FixOtac ®, Secure AKey®, key identifiers, and split KEY Fings.

tund Equipment tund Equipment
P.O. Bax 213
Bath. OH 44210
1216) 659-4800, 1216; 659-4128
FAX: 1216) 659-9347
Key Personnel E. Howard Lund
Over 50 years of producing key control
systems, offering more than 70 different styles.
Also offering bull-hororder key cabinets to your
specifications. specifications

MACE Security International 160 Bermont Ave Bernington, VT, 05201 800-446-6223 FAX: 502-442-3823 Key Personnel, Jon Goodrich, President: Vincent Dassett, VP Sales; Ed Mair, Sales Mondacturer of ariginal Mace, Peppergard, Muzzle Carrine Repellent, the Bry Jammer Door Brace, the Sonic Alert Electronic Personal Alarm and many other availity self-protection and recruitive products. security products.

M.A.G. Eng. & Mfg. Inc. 15261 Transistor Lane Huntington Beach, CA 97649 1141 [714] 891-5100, [800] 624-9942 (except FAX: (714) 892-6845 Key Personne Howard M. Allenbaugh, Pres.; Fred F. Panneboker, VP-Sales/Mktg.; Dennis Ballom, Nat I. Sales Mgr. M.A.G. security products enable you to repair and reinforce doors instead of replacing them. Only fellifold acors instead or replacing them. The line includes door reinforcers (standard series, 2000 series, and new designer series), high security strikes, Adjust-A-Strikes, larch guards, adapter and filler plates, sliding patio door deadlacks, and miscellaneous door and window security haroware.

Magnokrom Inc. 171 Nugget Ave. Scarborough, Ont. M1S 3B1 Cen. [416] 299-0000 FAX: [416] 299-3728 Key Personnel: Edward Milic, Pres. Manufacturers of panic exit devices, surface bolls, fire rated, available in aluminum

Major Manufacturing, Inc. P.O. Box 788 Atwood, CA 92601 1714) 772-5202 FAX: 1714) 772-2302 Key Personnet, Bill DeForrest Monufacturer of tools and supplies for the lacksmith inclustry. Included are the HIT-SERIES installation roots. KEE-BLOK, JAMB JACKET. STRIKE GARD and GARAGE BLOK. Other products include cylinder gards, cylinder. collars, safe door hinge shim kit, and sale deposit lock puller. Major also manutactures the former Grumbach Speed Mort ser. See ad on page 53

Major Melallab Co. S70 Alice 5:
Wheeling, 1 60090
(7081 537 7890, 1800) 323-8181
FAX: (7081 537-11 20
Key Personnel. Rob Fosness, VP Soles
MMF industries manufactures a full line of key
control products. Single tag and two tag
systems are available in cobinet, drawer, key
rack and key board styles. Key capacities
range from 10 to 715 keys. In addition, MMF
manufactures coin and cash handling supplies,
signs and writing instruments.

Maloc Emerprises 775 Yellowstone, Suite 163 Pocatella, ID 83201 12081 235-2532 Personnel Tim Scott, Owner, Connie Scott, Owner We are the manufacturers of auto entry tools and backs. Our company was established by Bill Peck in 1988. Throughout that time he traveled the U.S. teaching auto entry seminars. Maloc is presently involved in opening an estimated 1500 cars per month, giving us a vost amount of experience in auto opening as well as tool design. Owner well as tool design

Markar Products, Inc. 68 Ward Road os yvara koda Lancaster, NY 14086 1716) 685-4104 FAX: (716) 685-3919 Key Personnel Stanley R. Tatara, Pres., Thomas J. Frys, VP: Kevir Hamilton, Not'l Soles Marker Procuets, Inc. manufacturers of the potential synthesis paging of hericasters. potented reinforcing pivor, cluminum continuous ningos and inerated steel and stainless steel continuous ninges. Both pivots and continuous ninges are used in contract, retrol t, hospita. school and security applications.

MARKS U.S.A.
5300 New Hor zons Blvd.
5300 New Hor zons Blvd.
Amityville, NY 11701
1516; 225-5400 (800) 526-0233
FAX: 1516; 225-6136
Key Pasamel George Marks, Pres ; Dave Akins, Nat I. Sales Migr.
Manufacturer of mortise, cylindrical and tubular locksets for residential and commercial application; mortise deadlocks, rubular deadbolts, once locks and mortise locks for deadbolts, gate lacks and mortise locks for ornamenta iron doors

Mariee Electromes, Corp. Philodelphia, PA 19148 1800; 874-8036 FAX: 1215; 755 7877 Fax: Personnel B Scott Holloway, Pres.; Chas. Key Personnel B Scott Holloway, Pres.; Chas. Levis, Svo. Mgr., Manufacturer of access control systems for over 20 years. Marked's current line of products include the Entragulard line of "auto-dialer" and "No Phone Line" telephone entry systems and the ME-10K card access system. Mailee also makes the SK-340 heavy-duty digital keypad which can hold 340 codes.

Marlex Company Marlox Company
1890 Dean St.
St. Charles, IL 50174
1709; 513-1070
FAX: 1708; 513-0170
For ever 10 years Marlox has been supplying access control products to be used in a wide variety of applications. Marlox offers hardwired as well as standalane type systems. The MI-9000 is known worldwide as the premier locking system for hotel/matel security.

Continued on page 94

Mas Ham lion Group, Inc 805-D Newtown Circle lexington, KY 40511 |606| 253-4744 |800| 950-4744 FAX |606| 253-4748 FAX (2006) 233-4748
Key Personnel (L.D. Hamilton, Pres.): Tom
Cassada, VP Engineering
Mas-Hamilton Group, inc., manufacturers of the
XOZ High Security lock, the CDXOZ
tambination deadbolt for pedestrian deers! the
CENCON system (ATM access control system) and other high security access control systems.

Moster Lock Co 2600 North 32nd St. Mlwaukes, WI 53210 (414) 444 2800 FAX: (414) 444-0322 James Beardsley, Pies.; Jim Donegan, VP Mktg. & Sales, Steve VV Illiams, Dir. Mktg. Door Hdw

Lloyd Markeson inc./Lockwood P.O. Box I.
Charlestown, NH 03603
[603] 826:5777
FAX [603] 826:4186
Key Personnel: Lloyd J. Matheson, Sr., Pres.,
Alex Matheson, VP.
Lloyd Motheson Inc. produces high quality
architectural hardware under the "Lockwood"
rode name. The product line includes a noncorrosive mortise lack, heavy duty cylindrical
lack, key 'n' lever lack, removable cores,
lubular and mortise deadbolts, asylum lack and
lackwood master key systems. The lackwood
liadition dates back to 1878 Ö Box L

Maxfort Corporation
13139 Ramona Blvd. #D
Irwindale, CA 91706
(818) 813-9800
FAX: 1818) 813-0637
Key Personnel Dennis Ma. General Mgr., Johnny Ong, Oper Mgr.
Vermanufacture a whale tine of rekeyable padlocks either keyretaining 190 seriest or nane keyretaining 191 seriest, and padlock bodies for IC or Medeco. Assa cylinders. We also monufacture full lines of mortise lacks with rims and replacement keyin-knob illever) cylinder kits with all major keyways.

Maxton Security Systems 3935 Oakfield Dr. Sherman Oaks, CA 91423 1818] 788-4466 Key Personnel: Anthony B. Bennett, Pres Manufacture lock down devices and cable all'acture lock down devices and cable offactionnels for securing all manner of hardware for computers. TV's, VCR's, business machines. Faxes, etc.

MBI Business Software 5249 Goloxy Parkway Sacramento, CA 95823-2123 (800) 551-4624 FAX: 1916) 393-0930 Kar Basanasal, Danna A. Munika Key Personnel: Danna A. Munley, Pres.; Dane' J. Brosi, V? Dyrjam a Locksmith Plus software has all me Dynamic Locksmith Plus software has all the bols necessary to operate a successful and profitable business. Designed to track advertising, vehicles, employee productivity, vendors, inventory and has bonks, writes checks, invoices, statements and collection information. Plus a built in Dispatch system with uncompleted jobs, rescheduling, parts ordered 90 reports \$095

McDowell-Craig 13145 Firestone Blvd. Norwalk, CA 90650 (310) 921:4441 FAX: (310) 921:9648 Key Personnel Steven Craig, Brent McDowell, VP

These Swing-A-Way Security Bars are specially designed and manufactured for the explicit purpose of preventing surreptitious entry in filing cabinets and desks. Simple to install and easy to operate, these bars permit the use of adjoining cabinets whether in the open or adjoining expliring cabinets whether in the open or altered precision. closed position

McGard Special Products Division 3875 California Rd. Orchard Pork, NY 14127 (7161662-8980 [800] 699-6887 FAX: [716] 662-8985 Key Personnel: Feter Fleischer, Sales Mgr., Mike Reilly Manufacturers of specialized asset security products. Examples are fire hydrant locks, manuple cover locks, meter locks and other varied applications to ht individual needs.

McGunn Safe Ca. 4917 S. Central Ave Chicago, IL 60638 17081 458-7233 FAX. 17081 458-3323 FAX. [708] 458-3323
Key Personnel: Patricia S. Johnson-VicGunn,
Pres.; Edward T. McGunn, Chrimn
McGunn Sofe Company has been designing
and building safes for over 51 years. We
specialize in safes to handle cosh for retail
businesses. Our color-coded safes have helped
many stores eliminate improper handling of
cash diring shafts. We also build cash fill safes,
firesafes, truck safes and horrie safes.

MDS |Medical Diagnostic Services, Inc. 1201 Cakfield Dr., Suite #102 Brandon, Fl 33511 |813| 653-1180 FAX: (813) 684-5953 FAX: (813) 684-5953
Key Personnel. Paul Burler, Pres., Trudi Battle, Sales Mgr.
MDS has been serving the locksmith/safeman market for over 1.5 years. Their popular Focuscope M Modular Borescope System now has over 50 easily attachable accessories!
Other inexpensive diagnostic products which they manufacture include the MagnoScope M and Probe Lite M.

Medeca Security Locks, Inc. P.O. Box 3075 Salem, VA 24153 1703| 380-5000 FAX: 1703| 380-5010 Key Personnel: Tim Layton, Pres.; Joey Dalessia, Medeco Security Locks, Inc., manufactures high security locks and lock cylinders. The Biaxial lock design afters key control, masterkeying, pick and drill resistance, and is UL listed and patented. Medeco offers locks to a wide variety of industries, including Institutions, residential, business and OEM applications.

Megan Marie Creations, Inc. 6807 W. Kassia Ci., Sie. 100 Meguon, WI 53092 (414) 242-7739 Mequen, WI 53092
[414] 242-7739
FAX. [414] 242-7739
Key Personnel: Richard T. Paétz, Pres., Karen A. Paetz, VP Mktg., Megan Marie Paetz, VP Sales Key LD. Kit Product Line Source! Home kit, office kir, vehicle kit, security kit, blank/custom kit. Kits average over 300 vinyl color coded, pressure sensitive labels: each kit contains glow in the dark. Tabels, blank lables, "Lock glow rings", to help find that "Elusive" key hole at right!

See ad an page 72

See ad on page 73

Meilink Safe Co. 111 Security Porkway New Albany, IN 47150 1800; Meilink FAX:[800] 896-6606 Key Personnel: Judd Penske, Nat. T Sales Mgr.; Van Carl sle Pres. Meilink has been manufacturing record sales since 1899. Its main focus is insulated safes with varying degrees of burglary resistance. The product line consists of home vaults, home and office safes, commercial record safes and the Gibralter series, a TL-30 one hour UL rated safe available in 9 different sizes.

Merit Metal Products Corp. 242 Valley Rd.
Warrington, PA 18976
(215) 343-2500
FAX: (215) 343-4839
Key Personnel: Daryl T. Schaeler, Sales Mgr.
We are manufacturiers of solid brass decorative hardware. Products include pocket door lacks, screen door latches and bit key locks. We after a complete line of solid brass cabiner catches, pulls, knobs and hinges available with plain bearing or ball bearings.

Meroni Locks of America 2121 West 60th St. 2121 West 60th St. Hialeah, FL 33016 (305) 557-7050, [800] 749-5625 FAX: (305) 556-2405 Key Personnel P. Carlo Cau, VP.; Mario Fernandez, Asst. Mgr.; Linette Romero, Olc. Mgr
Meroni Locks manufactures a complete line of showcase, furniture and cabinet locks, to satisfy the most demanding applications, together with a very well engineered and designed line of door locks. Only Meroni's locks can be installed in glass, wood and other panels, ranging from 1/3" to 2" thick - all locks meet ADA regulations.

Milwaukee Electric Tool Corporation 13135 West Lisbon Rd. Brookfield, WI 53005 [414] 783-8311 Fax: (414) 781-3611 Key Personnel: Debra Sajkowski, Adv. Mgr.

Miwa Lock, Canada
Box 3708 Stalion 'D'
Edmonton, Alberta T.St. 4/7
(403) 453-5226
FAX: (403) 452-7551
Key Personnel: Gary J. Mozak, Sales Mgr.
Miwa Lock's combined high technology
cylinder with a full line of rugged hardware is a
proven combination of restricted key security
with a diffashioned virtues such as durable,
reliability, and quality manufacturing. Miwa reliability, and quality manufacturing. Miwa lock products using advanced technology like the EC cylinder, utilizes coded magnetic fields.

Mirwa Lock, USA
71 N. Pecas Rd., Suite 106
Las Vegas, NV 89101
1702| 452-4110
FAX: 1702| 452-9330
Key Personnel: Will Schaff, Pres., Bob Schaff,
Oper, Mar.; Pete Wilson, Dir. Sales & Mktg.
Manufacturers a complexer and display siding glass deors, windows and display cases. Also distributes high security cylinders, deadbotts, cylindrical knob and leversets along with other contract hardware and locksmith

NT Monarch Hardware & Mfg. Co. No Working Hardware & Mitg. Co. 805 N. Buckman St. Shepherdsville, KY 40165 (800) 826-5792, (502) 543-2281 FAX: [502] 543-3089 Key Personnel: W.G. Porter, Pres.; B. Johnson, Gen. Sales Mgr.: Bob McGehee, Cust. Svc. Mar Mgr. NT Monarch manufactures a complete line of and fire exit hardware and dependable panic and fire exit hardware and accessories. All finishes available for quick shipment, one device or large stocking orde NT Monarch also manufactures a complete of door closers available immediately from stock Monarch Tool and Mig. Co., Inc.
P.O. Box 427
105 East Fourth St.
Covington, KY 41011
[606] 261-7403, 1800) 462-9460 in US & Conada
FAX [800] 545-6831
Key Personnel: Pete Bignr, Dir. Sales, Norman Martin, Corp. Admn.
Monufacture and produce coin baxes, locks and extensions, and coin mechanisms for use in laundry equipment featuring. Ace, Dub and Medeco locks, Farmly owned and operated since 1903, 100 percent American made products.

The M.K. Marse Company P.O. Box 8677
Canton, OH 44711
(2161453-8187
FAX, [216]453-1111
Key Personnel: M.K. Marse, CEO.; James T. Balchelder, Pres.; John F. Comune, Exec. VP; Cliff Williams, VP Mktg.
Faunded in 1962, The M.K. Marse Company manufactures a broad range of cutting tools, including band saw blades, hocksow blades, hole saws, obrasive wheels, mounted points, and the parented Real McCoy hole saws with builtin arboxs. Two of M.K. Marse's newer lines are depressed center wheels and reciprocolling and saber/jig saw blades.

Marse Watchmans Inc.
2 Marse Rd
Oxford, CT 06478
(203) 264-4949
FAX: 1203) 264-8367
Key Personnel: Manuel Pires. Pres.; Fernando
Pires, VP
The KeyWatcher offers immediate access and
total accountability. Additional benefits:
eliminates autifated pegboards, holds over 40
keys, easily austomized to specific applications,

I mits accessibility to authorized personnel, individual PIN numbers increase security. Iracks movements of keys, offers on-demand management reports, uses a liquid crystal display, circuitry is fully integrated.

Mosler
1561 Grand Blvd.
Hamilton, OH 45012
1513) 867-4000
EAX: (513) 867-4062
Key Personnel: A M. Marzono, Chm.&CEO, M.S. Battaglia, Pres. & COO, N.L. Maus, Dirof Oper.
Mosler Inc., founded in 1867 and headquartered in Hamilton, Chia, is a leading supplier of physical, electronic and remote security systems, products and services to the linancial, commercial and government marketplaces. Among its products are UL listed vailts, vault doors, safe deposit boxes, record, money and data safes.

Mr. Wrought Iron Canada Ud.
1100 11th St. SE.
Calgary: Albeita, Canada T2G 4F3
[403]: 234-9690.
FAX: 1403): 237-5894.
Key Personnel: Michael Marazoff, Pres.; Jerry Meier, VP Sales & Open; Patrick Williams.
Major Accts. Exec.
Mr. Wrought Iron, a full line of do it yourself security praducts under the brand name. "Mr.
Goodbar." Window bars, security starm doors, patro door bars, back door grilles and other residential and commercial products. Depler inquities welcome.

MRL, Inc. 7640 Fullerton Rd Springfield, VA 22153 1800(1989 - 9891 FAX: 1703) 569-0196 Key Personnel Carlton Moorelield, Jr., Pres. Manufacturer of audity electronic security and access control systems since 1969. Products include: Crypta Code standation occess control systems; Entrodyne DIAM 50-3 line manitaring equipment. Sound Alert audio discriminators.

Mul-TBalt Corp 54.45.44th St. Maspeth NY 1.1378 (1800) 522-5625. [7.18] 392-9000 (22-5625. [7.18] 392-9000 (22-5625. [7.18] 392-9000 (22-5625) (22-

Multi Lock Inc.
P.O. Bax 70277
Ft. tauderdale, Ft. 33307-0277
Ft. 3305 563-5644
Key Personnel Jerold R. Ford, Pres., M.E. DePalma, VP, Clarence Fukron, Plt. Mag.
Multi tack inc., wes incorporated in 1955 and began manufacturing the rost proof wire door gare lack in 1968. The lack is completely nonlineaus and may be used in annamental iron gares as well as wire mesh door gates. Using only three maying parts, the lack is rotally lex ble and can ninge an slide left or right.

See ad on page 108

Multi-Lock Corporation 1500 West Self de Way Post Falls, ID 83854 1268; 777-8400 Key Personnel Greg Davis, GW; Gary Coller, Dir. of Friance See ad on page 149

MECECO\*
HIGH SECURITY LOCKS

Integrity. Ingenuity.... security solutions.

MulFFlock USA Inc 300-1 Route 17 South, Ste. A loci, NJ 07644 1201; 778-3222, (800) 562-351 I FAX: [201] 778-4007 Key Personnel: Yassi Levy, Pres., Steven Tun, Key Personnel: Yasar Levy, Tree, Joseph As Sales & Aktg.
At. It look designs develops, manufactures and markets high security mechanical ocking systems and related products based on original R&D and unique application techniques. Products include: four way martise looks, high security steel doors, unique can transmission looks, and of the shelf tems (cylinders, case hardened steel padlocks and hasps).

Mul Ttack Corp.
54.45.44th St.
Maspelli, NY 1.378
1800] 622-COCK, (71.81.392-9000
Key Personnel: Mark Berger, Nar' Sales Mar Manufacturer of multiple-point lacking systems with standard keyways or Medeco dylinders.
100% mode in U.S.A. U. listed. New mode.
4100 requires no special tools for 2.3/4" backser installation in licklow metal doors.
Security lacks for security professionals. Mul Ttock Corp.

Nonotechnology, Inc. 22997 Statiding Ock Ct Cupertino, CA 95014 (408) 973-8280 FAX: (40B) 973-8280 Key Personner, John Chu, Pres.; Ann Wood. Mkg Mgr Wirg Mgr.
Electronic lock operates without patteries!
Competitively priced, the NanaRose Freadity retroits a Schlage Series D, Model Rhode (ratificulted) lockset into a sef-contained aushbuttor electronic access control system with 125, 250, 500 or 1000+ uso-oragiammable, you able length codes. Mony additional features.

National Cabiner Lock 200 Old Mill Rd. P.O. Bax 200 Maulain, SC 29662 1803] 297-5655 FAX: 1803] 297-9987 Key Fersonnel: Dave Bowers, Pres., Larry Roddy, Pice. Mgr.; Bab Phillips, Natl. Sales Mar. Mgi Under the registered trade name of "Stock locks." Notional Cabiner Lock offers over 675 pockaged stocking units of pin timbler, disc tumbler and lever timbler products. They also provide original pross key blanks as well as offer locksmith products.

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FAX: 1800/ 255-7874
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products. Thresholds are aftered in aluminum
staniless and a brass/bronze allay. Gaskering
products are available in several materials and
finishes to compliment any door package. finishes to compliment any door package. Products have been tested to conform with ADA, ANSI, UL and NFPA standards

## The National Locksmith

The National Locksmith
1533 Burgundy Pkwy
1533 Burgundy Pkwy
1708; 837-2044
FAX. 1708; 837-1210
Key Personnel: Marc Goldberg.
Editor/Publisher: Tom Sercogy, Mg. Edit, left
Addir, Dir Sales & Mktg., Debbie Schertzing,
Ad Add: Mgr.
Publishers of the locksmith's favorite magazing,
code books. and rechilical manuals. code books, and technical manuals

National Safe Company, Inc. (NCSI) 7 Lipson C., Ste. 100 E. Northport, NY 11731

(\$16) 368-2000 (516) 368-2006 FAX: [516] 368-2008 Key Personnel: Ralph P. Nyssbaum, Pres. Complete line of quality safes available including: 1115, 1130, home and office, gun, flaor and wall safes.

Nancral Security Safe Co.
P.O. Box 755
American Fork, UT
1800) 544-3829
FAX: 1801) 756-8043
Key Personnel Glen Nilson Pres.; Dane Farmer, VP; Sreve Frandsen, Sec. / Treas
A well established Utan Corporation that originated the triple-wall insulated gen sale. We manufacture 1.1 different models and custom walk in vault doors. Recently chosen by Smith & Wessen to manufacture & distribute their custom safe with quad-wall construction. safe with quad-wall construction.

Nel-Tech 25 | S.E. Michigan Bive. Michigan City, INI 46360 |219 | 8747500 |8001 874-2050 FAX: 12191 874-9990 FAX: 12191 874-9990
Key Personnel. James Ainsky, GM.
Nel Tech has been a monufacturer of alarm and occess control products for over 1.5 years, specializing in digital pushbutton keypods. The Stompad Model 6SP is an all-weather keypod suitable for the horshest outdoor or indoor environments. I resolutes lighted buttons and is sealed against train, grown, and dist. sealed against rain, snow, and dirt

The New England Lock & Hardware Company Inc P.O Box 544 Souri Norwalk, CT 06856 1203| 866-9283 FAX: 1203| 838-4837 FAX: (203) 83d-4837
Key Personnel James W. Egan, Pres. Jan
Brown, Soles/Miktg
New England Lock & Hardware Company
manufactures the SEGAL brains vertical
deposition for the second company in the lock of the second company
as into the second lock of the second company. or fron rim locks and latches, matter deadbolts and full complement of cylinders ranging from simple replacement cylinders to high-security, pick resistant cylinders. All products made in USA.

New Standard Mfg, Co. 2408 Western Ave Las Vegas, NV 89102 1702; 385-1132 FAX: 1702; 382-1920 Key Personner Randy L. Thwing, Pres., Kaihalynn F. Thwing, Sec'y./Treas New Standard manufactures highly adaptable. New Standard manufactures highly adaptable brass bodied padlocks which accept original and aftermarket, standard and high security, knoblack cylinders of the Schlage, Arrow, Sargent & Falcon designs. Our interchangeable series accepts i.c. cylinders including Falcon, Arrow, KSP, Best, Russwin, Corbin, Medeco brands. Key retaining and non-key retaining models are available.

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Chesapeake, VA 23323
[504] 485-0200 [800] 528-9900
FAX [804] 485-0271
Key Personnel: Mike Smith, Press, Ray Torenzo, CEO, John McClanahon, Dir. Mig.
Murulacturer of commercial and residential burglar resistant safes and window bars.
Specialists in the application of computerized access control and audit systems to maney valar management. The company offers a full line or options, rotings and sizes to meet the demand of businesses large and small.

Norden Lock Co., Inc 36.) Carlaugh Rd Bohemia, NY 11716 (800) 23340CK

FAX: 1516; 563-1742 Key Personnel, Pete Norden, Pres Norden Lock Co. products include the Norden Police Lock, Secur-AlDoor Lock and the Norden Double Door Tock Distribution is accomplished through major suppliers coast to coast Recognition and use of our high security lacks for commercial and residential applications nareases acily

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See ad on page 44

Notinen Computers, Inc. 5007 S. Hawell Ave. 50lwookee, WI 53207 (414) 769-5980, (800) 323-4576 FAX [414] 769-5989 Key Personnel: Jim Vinson. Dr. Sales & Mktg., Kim Toy. Mktg. Coordinator, Korl Radke, Nat I Sales Mgr Acess wiging a control manufacturing from single door systems to PC based alarm monitoring access control systems of over 30,000 caras and 700 doors. Products designed to meet the needs of the prolessional alarm dealer in the 90's and beyond-Member ATAPCO Security and Communication Group.

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P.O. Box 25288
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1704) 283-2101
Notion is the world's largest manufacturer of door controls and closers.

NT Guality Hardware Mig. NT Guality Hardware Mig. 7345 Orangewood Ave Garden Grove, CA 92641 1800) 345-8819 (714) 372-3030 FAX: 1800) 345-8820 Key Personnel: Ed Poole, VP Sales & Mkrg.; E.F. Johnson, Pres.; Yvette Ross, Cust. Svc. Sup. NT Guality Hardware manufactures door trim and architectural builders hardware for commercial buildings. The firm also afters fine residential hardware irems.

Numberall Stamp & Tool Co. Inc.

P.O. Box 187 High Street Fligh Street
Sangerville, ME 04479
1207) 876-3541
FAX: 1207) 876-3566
Key Personnel. Rick Pellerin, Sales Mar.
Manufacturer of key marking equipment, and all
types of meto indenting, numbering and
laterios of numbers. letering equipment. See ad on page 24

O-Mega Electronic Sel-Dolonue. 3544 Overland Ave. Los Angeles, CA 90034-5522 (800) 553-0222 (USA) (800) 244 STUIN (CA) (310) 637-0963 EAX: 310-837-0942 Key Personnal Zama Pathuch Id. EAX: 3:10:837-0942

Key Personnel Zame Rothschild, CEO & Pres.;

Mene Dautrey. Sales Dir.

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Continued on page 98

### Continued from page 96

locksmiths who add many collars in sales and profit to their bottom line.

OEM, M<sup>i</sup>g. Inc. 194 Deniel St Hackensack, NJ 07601 (2011 489-2184 FAX. (2011 343-7315 Key Personnel: Wes Zian, Pres., Jeff Zian, GM; Ralph Rafola, Sales Mgr. Manufacturer or pin sels, Tools, cabinet bars, strew machine, mats, springs bars, screw machine parts, springs

O'Keeffe's Inc.
75 Williams Ave.
San Francisco, CA 94124
1800) 227-3305 (415) 822-4222
FAX: 1415) 822-5222
Key Persannel: Stacy Westhoff, Dir. of Mktg
O'Keeffe's Inc. has over 52 years of experiencemanufacturing aluminum bailding products.
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rated door and wall systems offer unrestricted
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Key Personnel F.P. "Marity" Martin, VP
Sales/Mktg
Olymous Lock manufactures pir tumbler
commercial cobinet locks. Patented features
allow easy rekeying. Olympus locks are
available on National, CCL, Schlage, and
Weiser keyways. Other keyways can be
constructed using comversion plugs. Olympus
also produces lock bodies for Best style IC care,
Medeco high security and Assa high security.

### dinders See ad on page 78

Omnio Industries, Inc. P.O. Box 330 Cedar Grove, N. 070090330 [201] 239-7272 AX: (201) 239-5960 Key Personnel Alberto R. Comini, Pres., Denyse P. Comni, Exec VP: Fred Marzullo, VP Mig., John L. Barwick, Nat'l Sales Mgr. Omnia manufactures solid brass builders' hardware since 1964. The company offers entry sets, interior latch sets, narrow stile mortise locks with him, cremone bolts, surface bolts, door stops, door knockers, switchplates, house numbers, cabinet hardware and both

Optex (USA) Inc. 365 Van Ness Way, Ste. #510 Tagance, CA 90501 1800, 966 7839 FAX: (310) 212.7604 Key Personnel: Ned Mortoka, Dir. Mktg., Allan Eastburn, Tech. Sup. Optex's manufacturer and distributors of Wireless Sensor/Annunciator Systems, Access Control Systems, light-Walic, automatically turns existing Light fixtures On and Olf for Energy Efficiency, Optex's advanced Sensor Technology now creates convenience and

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651 North Pastoria Ave.
657 North Past to-install security devices, designs and

manulactures OMN/IOCK® digital locks.

OMNILOCK digital locks are code operated and aireatly replace mose cylindrical or morfise lock sets. The date, time and user identity is recorded for each entity in a comprehensive audit trail.

See ad on page 23

Pach & Company 941 Calle Negocic San Clemenie, CA 92672 |714| 498-2951 FAX: |714| 498-6879 Key Fersonnel: John Camp, Nat'l Sales Mar Manufacturer of Telephone Access Control Systems from one to two-thousand tenants.

See ad on page 91

Pagific Scientific Motor Products Division 430 | Kishwaukee St Rockford, 1,61109 (815) 226-3100 FAX: [815] 226-3080 Key Personnel: Ranold Neson: Pres.: Rabert Burke, VP Sales & Mkig., Michael Dickson, Man, Generators Man. Generators
Pacific Scientific. Motor Products Division.
designs and manufactures REDHINE™ power
conversion products for partable, rugged and
reliable 120 Vac power from your vehicle
battery. Generators up to 1600 watts
continuous and 2000 watt Inverters. Available
from a broad network of distributors.

Pacific Security Products Company 307 S. Raymond Ave. Alhambro, CA 91803 (818) 570-4655, 1800) 331-0785 FAX: (818) 289-2326 Key Personnel: Jae Chang, Owner: Denise Ambrose, Pres./Gen. Mgr. Manufacturers of flact safes, rotary hoppers, "C" and "B" rated chests, Also, Mini-depositories and larger Convenience store, fast



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Pad-Pro Lock Freducts, Ltd. Fad-Pro Lock Froducts, tra Site 26, Box 26 RR# 1, Windsor Jot. Halfax County, Nova Scotia BON 2VO 1902| 861-2683, (902) 860-1686 FAX: 1902| 860-1686 Key Personnel: Rolland Gaudet, Pres. Ney Personnet: Kolland Gaudet, Pres. Pad Pro, a patented weather protector for padlocks, prevents freezing in the winter months and rusting and corrasion year round. It is made of tough palyproylane and fits padlocks up to 2-1/2" in diameter. Once a padlock is installed in Pad-Pro, Pad-Pro cannot be removed without taking the padlock off. Looking for Distributors.

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Palmer Security Products, Inc.
2930 N. Campbell Ave.
Chicago, II. 60618
1800; 788-7725
FAX: 1312; 267-8080
Key Personnel: Chuck Whisler; Robert Wagner
Palmer Security Products manufactures the
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lockers. All of our products come with the
Simplex push outlon lock, allowing quick
access. Several models are available including
a drawer unit and a wall safe. We offer te best
quality available. quality available

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Parker Drive P.O. Box 9882 P.O. Box 9882
Englewood, NJ 07631
(2011 569-1600
FAX: (2011 569-1082
Key Parsonnel: Chas. Silberman, Pres.; Toby
Bernstein, Exec. VP; Bob Schaeffer, Sr. VP.
Established in 1899. S. Parker Hardware Mig.
Corp. now manufactures and imports a broad-line of a radia. Locksets and leaver sets and imports a bload line of quality Builders Hordware products, including ADA door closers, UL Grade 2 Locksets and lever sets, hinges, continuous hinges, solid bross or steel lubing and fittings, Narrow Stile locks and latches, levers, push/pull paddles for same.

### See ad on page 51

PDQ Industries Inc
2754 Creek Hill Rd.
Ieola, FA 17540
I800| 441-9692
FAX: J717| 656-6892
Key Personnel. Bill Tell, Pres., Paul T.
Kasakowski, A.H.C., VP Sales & Mrktg.; Daniel
P. Connor, Controller
PDQ introduces its new lock, the Sprit, a heavy
duty Grade 2 lever lock featuring spring-in-therose construction for ultimate lever support. The
made in America Sprit is a perfect complement
to PDQ's line of commercial grade cylindrical
locks, mortise locks, and deadbolts. PDQ lever
handle locks meet ADA requirements. PDQ Inclustries Inc. nandle locks meet ADA requirements.

Peerless Sales Co. 1950 Hawthorne Ave. Metrose Park, IL 60160 (708) 865-8870, [800] 729-0307 FAX: (708) 865-2941 Key Personnel Walter Snadell, Pres.; Frank Briggs, Mktg. Dir., Dustin Vallaly, Dir. of Sales Peerless manufactures the world's largest and most complete line of television, audio visual, video recorder and clased circuit relevision accessory products. The many products include stands, mounts, carts and brackets for the desk, wall and ceiling.

reico 300 W. Pantioc Way Clovis, CA 93612 1800| 289-9100 FAX: 1800| 289-9150 FAX: 1800) 289-9150
Key Personnel Tom Grogan, VP Sales & Mklg.,
Andy Chapman, Inside Sales Mgr., Clift
Cooper, Technical Sales Mgr.
Manufacturer of closed circuit felevision systems
for security and surveillance. Products include
cameras, lenses, remote positioning devices,
switches, controllers, manifors, camera
housings. Quick turnaround.

The Penetrator 7370 Turkey Point Dr Titusyille, FL 32780 407) 267-0700 Key Personnel: Lew F. Noyes, Jr. CML, Owner. Key Personnel: Lew F. Noyes, Jr. CML, Owner Eleanar M. Noyes, Owner The Penetrator is alive and well but has a new address. It is the finest safe drilling rig on the market. Its features are lightweight, controlled drilling and a thrust bearing which relieves all pressure from your drill motor. Price has remained the same since 1985. Made in the 184

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P.O. Box 473 Huntingdon Valley, PA 19006 (215) 3640330 FAX: [215] 364-8306 Key Personnel: Marvin Sobel, Pres.: Irving L Plaksin, Exec. VP; Laurie McDonnell-Muehlbach, v9 881, Exec. VP; Laurie McDonnell-Muehlbach, VP Mktg.

Wanufacturer of Permo Vault drap boxes.

hopper safes, wall safes, money chests, B & C rated safes and custom safes.

See ad on page 70

Perry Blackburne, Inc. 354 Pine St. Pawlucket, Rt 02860 (800) 556-7474, [401] 725-1400 FAX: (800) 447-3779, [401] 725-7611 Key Personnel: Mark Rosenberg, VP Sales & Mkig.; Edward Paul, Exec. VP: Lisa Padgett, Dir Cust, Svc. Manufacturers and direct importers of key reductable and affect importers or key accessories, key rings and related products for the locksmith. Realistic pricing policies. Established 40 plus years under the same ownership. Our line will always moke you money. Distributorships available, call today, tall-free or use our toll free fox line.

Personal Safety Corporation 1905 N. Center Point Road, P.O. Box. 128 Hiawatha, IA. 52233 (319) 378-8787 FAX. [319] 378-1311 Key Personnel: Thomas R. Leidigh, Pres., Richard T. Olson, Sr. VP Sales & Mirktg., Debra A. Wedemsier, Sr. Acat. Mgr., Personal Safety Corporation is a manufacturer



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of personal safety products. The product line includes a full line of spray deterrents (self-defense sprays), noise deterrents (high decibel personal alarms and Fox 40 Sofety Whistle) and break-in deterrents (portable door lack, safety alarm for home or travel, and home window decals).

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P.O. Box 38
Linwood, KS 66052
1913) 723-3203
FAX: 1913) 723-3507
Key Personnel: Jelf Coatney
Since 1979, Phoenix Industries has specialized in the manufacture of a constantly expanding.
The of high quality door bars.

Fliant Plastics Corporation
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Muskegon, M. 4944 1
(616) 798-7935
FAX: 1616) 798-7525
Key Personnel: Curtis Chambers, Pres., Frank
Brevegheri, Mktg. Mgr.; Mike Johnston, Sales
Engr.
Pliant Plastics Corporation is a custom injection
molder of small engineering grade thermoplastic
parts. A potented product named "keyglove" is
available in a variety of colors, with space for a
ogo and/or other advertising. Easily
assembled to a key, it customizes, identifies.
and classifies.

Positive Lock, Inc. 402 E. 39th St. Russellville, AR 72801 800-342-7670 FAX: 800-531-5293 Key Personnel Phillip J. Murders, Pres.; Teslie Jones, Op. Mgr. Positive Lock manufactures surface mounted, double deadbolt locking devices which use 1/2" locking rods that extend 1-1/2" into both sides of the door jamb simultaneously. Available models range from a simple thumbruin to a listed "ponic hordware" device. Catalogs furnished upon request.

Power Access Corporation
42 Bridge St.
Collinsville, CT 06022
[203] 593-0751 [800] 344-0088
FAX. [203] 593-0541
Key Personnel; Nils Sellmon, Pres.: Mike
Carlson, Sales Mgr.
Electromechonical door opener retrofits most
side hinged doors to automatic opening
Unique feature is that arm does not attach to
door - so door may be used manually at all
times. Interfaces with electric strike for door
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PowerStar Products, Inc.

1050D East Duane Ave.
Sunnyvale, CA 94086
1800| 6454004
FAX, 1408| 774-6818
Key Personnel: D. Scott McFodin, Pres., Fran Phillips, Sales Mgr., Steve Ulaneza, Tech Support
Power Inverters that will provide AC power for key machines in mobile lacksmith vehicles, These units are the lightest, smallest and most efficient on the market. They make no noise!

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23.7 Coastline Rd.
Sanford, FL 32.771-6659
(40.7) 324-9933
FAX: (40.7) 328-99.77
Key Personnel. Bob Campbell, VP Sales
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New Britain CT 06051-4360
[800] 216-0082
FAX: 1203) 223-7601
Key Personner, James T. Salonia, Nat. Sales & Mitg. Mgr.; Sharon Dan elson Inside Sales
Rep.
Combination padlocks for all types of cases
and lockers as well as deadboils for abors and
windows. All are resettable without the need of
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Santa Baibara, C.A. 93103
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FAX: [805] 965-2535
Key Personnel: Armand J. Renga, Pres. John E. Topliffe, Sales Mgr.
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[909] 887 8118
FAX 1909; 880-290à
Key Personnol. Dick Crowther, Pres ; George
Sulphon, VP, Dick Ugland. Dir Sales & Mklg.
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FAX: 1664) 277-2880
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Key lights and key rings
Protok
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Orange, CA 92667
[714] 633-068;
FAX: [714] 633-0470
Key Personnel: Adom Weinraub, Pres., Tom
Gillespie CML, VP & GM, Lar Weinraub. CustSvc.
Manufacturer of Blue Purich and KeyMaster Key
Machines, car opening books and tools,
service manuals, lock picks, instal latan
templates, key decoders, no spill key hooks, key
tag systems, lock and safe scopes, Hardbody
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lacksmith specially tools.

Programmed Marketing, Inc. 260 (West Ave. Stamford, CT 06902 (203): 353-1200 FAX: (203): 348-3473 Key Personnel Nick Ohnell, Ted Grejtak Hudson Look,

Proprietary Controls Systems Corp (PCSC) 18528 Dominguez Hills Drive Ranche Dominguez, CA 90220-6436 (310) 538-6400 FAX (310) 538-6204 Key Personnel: Craig Rose (Nat'), Sales Mgr.; Doug Stries, VV, Reg, Sales Mgr.; Alan Kosako, Edipse Prod. Mgr. "Edipse", srand alone, one or two door access control. "Simple", with integrated 32-character liquid crystal display for programming menu.

and integrated programming keypod
"Flexible", with most card reader technologies
accepted and alarm capabilities.
"Expandable", with multiple Eclipse RX2
inclwarked tagether for central programming
and printing

Pryor Safe & Lock Company 3532 English Ave. Indiarapolis, IN 46201 (317) 352 1281 FAX 1317; 352-1213 Key Personnel: Stanley Pryor, owner, Infloor safe head replacements, Seventeen (17) afferent mode's available. Pairs also available.

Qualtec Data Froducts, Inc.
47767 Warm Sorings Boulevara
Fremont, CA 94539
(510) 490 8911 (600) 628-4413
FAX: (510) 490-8471
Key Personnel, Gary Tones, VP/Sales; Dawn Miller, Nat'll, Accr. Mgr.: Moureen Wilner, Cust. Svc.
QDP, Inc. has been manufacturing PC Security since 1984. They have over 70 products ranging from lowicest thefridelerients to data security and high end heavy-duty anti-helphoducts. Quo teo's PC security products are universal and will fit all business and personal electronic devices even notebook computers.

R&D Tool Ca.
7705 R.C. Gorman Ave, N.E.
Abuquerque, N.M. 87122
1505] 825-2064
EAX. (505] 857-0642
Key Personnel: Douglas Joosten, Rt. Pres.; Ruth, Joosten, Secty / Treas.
Manufacturing GM and Ford side-bar lock picksets. In concept and design testing for over eight years has lead to the availability of precision pick tools that will simplify picking and decoding of GM and Ford side bar locks.

RB Enterprises
P.O. Box 152
Clavis, CA 93613
1209; 348-1722
FAX: 1209) 294-1636
Key Personne. Robert Barr, COO,
The Mainter 4000 - Daer control through electronics exit doors receiving doors - stare room doors, etc. - controls door during business hours even if management forgets.
Reading Body Works, Inc.
Reading Body W

Redi-Line Generators
4301 Kishwaukee St.
Rockford It 61109
1815; 226-3030
FAX: 1815; 226-3080
Key Personnet: Mike Dickson, Product Mgr.;
Becky Miller, Cust Svo.
Redi-line Electric Generators, and Inverters
provide power whenever and wherever you need it. Lightive gltringged design and
maintenance free operation insures reliable,
plugin and run performance. With ten models
from 350-2400 wars, Redi-Line is the durable
and stry.

Rixect® A Division of Yole Security Inc. P.O. Box 2,5288 Charlotte, NC 28229-8010 [800] 457-5670 FAX: [800] 221-0489 Key Personnel: Charles J. Strauss. Dir.-Sales; Don Schuett, Cust. Svc. Rep., Patricia Reavis, Cust. Sup. People Cust. Svc. Rep. Rixson® is the leading manufacturer of floor closers and accessories

Reilor Inc. 417 Caredean Dr Horsham, PA 19044 (215) 956-0550 FAX: (215) 956-0553 Key Personnel Richard Charney, GM/VP; Scott Asay, Sales Mgr.
Manufacturers of surface mounted spring acor closers all with UL listing. Sold under the brand name of Sale T. Closer and Libcloser

Reinforcer Locking Bar Reinforcer Locking Bar 432 N. Tustin Orange, CA 92667 1714[633-6520 Key Personnel: Joe J. Adamo For aluminum stile doors, the Reinforcer Lock-Bar System actually joins the appropriate unit, and in the case of double doors, joins the doors together.

Keon 5010 Shoreham Pl. #300 San Diego, CA 92122 |619| 4301325 FAX: [619| 4557366 Key Personnel: F.M. Barcudi, Pres : K. Barcudi, VP The Alarm Lock afters the security of braided steel cable with a motion detection aption ideal for bikes, matercycles, homes, cars, or anything "removable."

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Costa Mesa, CA 92626
(800) 366-7010
FAX: (7 | 41662-3171
Key Personnel: Alex Skarbek, Pres.
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Key Personner, Len Guyl. Pres
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immediate delivery a wide selection of electric
strikes. In ghi security electric strikes, electromagnetic locks, switches, lockshields, key ess
affacts, control, stems and listel laten. occess control systems and installation pard-vare. See ad on pages 39, 41

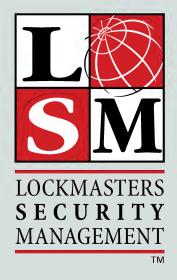
Rothley Brass P.O. Box 429 501 Roilroad St.

Taylorsville, KY 40071 |502| 477-8822 |800| 542 7562 FAX: |502| 477-883 | Key Personnel: Tom Jennings, Pies., Gary Jouvelakas, VP Sales

Rutherford Controls, Inc.
2697 International Prevy. Bidg. #3-122
Virgin a Beach, VA 23452
(804) 427-1230
FAX. [804] 427-9549
Key Personnel: Tracey Rutherford. US
Operations: David G. Halls, US Nat'l Sales
Mgr., Wark Rozao, Controller
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designer and importer specializing in "Electric tocking" products. The lines represented are
effet electric strikes and locks and Control
electromagnetic locks. Rutherford markets their
product lines nationally through the locksmilli, product lines nationally through the locksmilli, hardware, access control and alore distributor industries Rutherford offers quality, value and

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FAX [803] 261-9435
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FAX: 1617; 332-0125
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FAX [313] 673-1246
Key Personnel: Shane Murton, Tech. Support:
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[309] 523-2121, (800) 747-1084
FAX: [309] 523-3912
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Sargent & Greenleaf, Inc. One Security Drive Nicholasville, KY 40356 (606) 885-9411 FAX: (800) 634 4843 FAX: (800) 6344843

Key Personne: Tom Leppert, VP Mkrg. & Sales;

Gary D. Kepler, Sales & Mktg. Svc.; Gary

Murphree, VP Gov't Bus. Dev.

S&C manufactures Group Land Group 2

mechanical combination locks, and now offers
electronic combination locks and electronic time
delay locks, additional products; sale deposit locks, time locks, safe handles, dials and dial

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FAX (203) 777-9042
Sargent offers a variety of door hordware to the lacksmith including mortise and bared looks, auxiliary locks, door closers and exir devices

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FAX: (415) 330-5626
Key Personnel: Marrin Burkhardt, John
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locks, accessibility levers and products, Primushigh security cylinders and the PL-series, our
new padlock offering See ad on page 14

Schwab Corp. 3000 Main St. Lalayette, IN 47903-5085 1317: 447-9470 | 1800; 428-7678 FAX: (317) 447-8278 Key Personnel Peter Neisel, Pres.; Jeff McQueen, Pres Mktg Schwab manufactures a complete line of UL doors. These products are designed to protect paper, microtarms, and magnetic media from loss during a fire. All Schwob products feature customized interiors designed to meet the user's special storage and protection requirements. ction requirements.

pecial storage and See ad on page 166

SCI, Inc. 2000 Hwy. 19 P.O. Box 218 Esmend, ND 58332-0218 (701) 249-3494 FAX: [701] 249-3430 Key Personnel: Brian Hambleton, Pres., Lorraine Hambleton, VP; Wode Hambleton, Sales & Hambleton, VP; VVade Hambleton, paies of Prod. Mgr.
SCI (Safe Corp Ini'll manufactures "Aanon" and "Safetron" burglary resistant safes. The SCI electronic lack is manufactured in Esmand and has a bull-in time delay. SCI manufactures the Eagle TL-15 and TL-30 plate safes. The "FasTrac" design and production system allows for quick delivery an clustom safes. for quick delivery on custom safes.

Scotsman Security Products 251 81 Hwy. 88 P.O. Box 456 Pioneer, CA 95666 [209] 295-7747, [800] 321-GARD FAX: [209] 295-5833 Key Personnel: Robert R. Irmer, Pres./GMc Elmagene Irmer, Sec'y-Treas, / Office Mgr. For 24 years, Scotsman has been developing and manufacturing with pride the highest quality products for the locksmith and builders hardware industries. Choice of tubular key machines: 747E, 747X and 747XU. Tubular key blanks. Full line of narrow-stile aluminum starefront high security protection: DorGard I; DorGard II, DorGard III, DorGard IV, DorGard

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17811 Sky Park, Circle Ste. E
Irvine, CA 92714
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Key Personnel: S.M., Hwang, Pres., Michael
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Accessories including: control penels, audio. Accessories including: control panels, audio Accessories including, coming pories, acade discriminators, strens, strobe lights, magnetic contacts, emergency/hold-up buttoris, key locks, RF transmitters and receivers. Vehicle Security Systems and Accessories including RF modular atoms, RF pre-piece alarms, pagers, space detectors.shock/motion/glass break detectors

Secura Key 20447 Nordhoff St, Chatsworth, CA 91311 [818] 882-0020 FAX: [818] 882-7052 Key Personnel: Gordon S. Morris, Dir, Sales/Mktg.; Eric Berinacco, Sales Mgr.; Bob Holland, Applications Spec. Secura Key is a manufacturer of access control Secura Key is a manufacturer of access control products including the patented, slotless Touch Card® Reader available as a standalone with time zones and printouts, or with a Wiegard output, PC-based systems, Radio Key<sup>TM</sup> transmitters with individual permit/vaid capability; vehicle identification systems.

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(800) 622-10CK, 1718) 392-9000
FAX: (718) 392-8944
Key Personnel, Mark Berger, Pres., Christine
Spooner and Simone Merchant, Custamer Svo.
Manufacturers of innovative and effective highsecurity and vandal resistant door looks
including MAGLATCH, UL listed electromagnetic and mechanical locking system; MP Police Lack, surface mounted 4-point lacks; PEDS, automatic deadbolt exit device; Daublethrow and 1 Derbalt, long throw lubular deadbolts (1:1/2\* & 2\*) and other special lacks and functions.

Continued on page 104

### Continued from page 102

Securitron

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Security Door Controls 31280 to Baya Drive Westlose Village CA 91362-4005 [818] 889-1672 FAX [800] 959-4732 Key Personnel: Rick Geringer, VP: Gary Thomberg, NT Sales Mgr.; Kelly Loe, Cust.

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Key Personnia Robert Vanderboegh, Pres Ledd a Vanderboegh, Sec. Scott Gradell Security Latch is used to add extra security to doors and exits equipped with panic exit

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Troop names Flin Pin, Gard/2+m, Stop Thief, Intellock, K-Man, make-door guaras for in and outswing doors, sliding door locks, hinge pins. door viewers. door viewers.

Sentry Group 900 Inden Ave Rochester, NY 14625 (800) 828-1438 FAX (716) 361-8559 Key Personnel Jim Brush, VP Sales & Mkig Daug Walk, Corp. Sales Mgr : Alyson Pignato. Sr . Sales Coord. Si - Sales Coord.
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Barrington, IL 60010
(7081381-0730
FAX 17081381-1676
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Kry Personnel: Kit Voil, Prest, Brian Dunn, VP Sales & Mktg; Molly Buck, Mktg. Coord.
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and hook number. El minates training time Complete inventory control has been added to

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FAX: 1610) B72-6378
Key Personnel Jaquel ne. J. Schrader, Pres.:
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Steadlast Auto Security 229 Marginol St Chelsea, MA 02150 (800) 3425911 FAX (617) 889-2424 FAX (617) 889-2424
Key Personnel: Bob Simeorie, Nat'l Sales Mgr., Sony Mey, Mklg. Mgr.
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Mgr ; Mike Elliott, VP.Sales/Mktg., Scat
Hooper, Mgr ; Svc. and Afremarket Sales
STRATTEC, the new Briggs and Straton
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General Motors, Chrysler, Ford and major over
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authorized wholesale distributors

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Strong Arm Security, Inc. 2228 Kenry Way. Sc. San Francisco, CA 94080 (415) 952-7710 FAX, (415) 873-6723 Key Personnel R. Valosing, Pres.; Z. Valosing, Rec. Sec. Hardpate drilling equipment for opening safes. The razor snarp Strong Arm drill bits are austom ground on a diamond wheel, comes in nine sizes and are economically priced. Also sell a lever bar drilling with the Bosch 1194 drillmotar and a safew type Mini Rig.

R.J. Stuckel Co., Inc. 1385 Howard St. Elk Grove, II. 60007 [800] 789-7220 FAX: 1708] 593-6027 Key Personnel: Robert W. Stuckel, Fres.; Veronica Willemus, Sales Stuckel Daar and Jamb Mortising System; Power router template system to mortise doors and jambs for hinges, lock plates, sinke plates and dead balt receiving plates.

Sully Tools, Inc.
35 15 Nodding Pine Ct.
Fairfax VA 22033
(703) 689-3416
FAX: (703) 787-0869
Key Personnel: Patrick H. Sullivan, Pres., Nancy M. Sullivan, VP,
Sully Tools, Inc. manufactures the famous
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international seminars on various security
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FAX: (503) 364-1285
Key Personnel Larry Springgate, Consumer Acces. Mgr.:
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Synergistics inc.
9 Tech Circle
Natick, WA 01760
(\$081,655.1340)
FAX [\$081,651.2902]
Key Personnel: William Tetrick, Prest: Robert
Pogareic, Sales Mgr.
Synergistic manufactures a complete line of access control systems for security. Products range from our popular ATM vestibule protection systems to distributed processing systems designed to provide access control for an entire building or on entire complex of buildings.

Systematics
A Division of Carakey Systems, Inc.
101 W. Cochran St.
Simi Valley, CA 93065
1805) 522-5555
EAX: 1805) 526-0064
Key Personnel James Hunter, G.W., Fla.
Cowden, Mktg. Comm. Mgr.
Applications for Systematics products range from single door control of a small shap or bus ness to control up to four doors. The products are truly cost-effective and have been designed for easy installation by professional locksmiths and alarm system installers.

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30 Taurel St.
Hicksville, NY 1180T
(5-61931-1616
FAX, 5161931-1654
Key Personnel: Lewis Friedman, Pres., George Friedman, VP; Alaina Picitelli, Sales Mgr.
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These screws are virtually impossible to remove without the special matching screwdrivers.

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Reed switches, relays, magnetics. Recess and surface mount plus strabes.

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Kram, Sales Mgr.
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hardware, locksers and deadooits, brass numbers and letters

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servicing, steering column servicing, air bags,
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servicing.

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27 14 Apple Valley Rd.
Atlanta, GA 303 19
(404) 237-4440
FAX: (404) 266-5542
Key Personnel: Jon Päyne, Dir. of Oper; David Grin, North Sales Mgr., Greg Grant, Dir. of Mktg.
TESA/Entry Systems provides off-line access control products specifically designed to manage people traffic perimeter and single doors. The CT2O system con be utilized and integrated into an existing system which uses multiple technologies or as a standalone system.

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P.O. Box 1062
South Windsor, CT 06074
[203]; 644-4777
FAX: [203]; 644-2882
Key Personnel: David Zingle, Pres.
The Thug Bug 3700 remore is a two button three channel remote which includes starter interrupt. Iight flashing, valet, status LED, two transmitters, 120 DB siren, and shack sensor. Transmitter range is up to i 50° All Thug Bug remotes carry a limited lifetime warranty.

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Time Domain Circuits
P.O. Box 691623
San Antonia. TX 78269
1210] 651-8766
Key Personnel: Steve Christy, Sales: Kirk Ono, Tech. Supp.
TDC a Texas based company manufactures high quality electronic access control devices for use in small to medium size installations
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Division of TACP
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Wayne, NJ 07470
[201] 628-8000
FAX: [201] 628-8755
Key Personnel: Bob Schindler, Nar'l Sales & Mktg. Myr., Mike Skryna, Asst. Myr. & Sales Support: Sergio Collazo, Sales Supp. Eng.
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Trans-Atlantic Co
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Philadelphia, PA 19122
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FAX: [215] 629-1282
WATS: (800) 523-9956
Key Personnel: Norman A. Milliman, Pres.;
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See ad on page 69

TRIMCO (Triongle Brass M/g. Ca. Inc.)
3528 Emery St.
ios Angeles, CA 90023-0277
[213] 262-4191
FAX: [800] 637-"TRIM,"
Key Personnel Anita Call, Cust. Svc. Mgr.,
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Bronx, NY 10461
[718] 829-4796
FAX: 1718) 792-9127
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Pennsauken, NJ 08110
(800) 426-6379
FAX: (800) 858-7210
Key Personnel: Michael Seidelman, Dan
Corpey, Toda Kendall, Herb Breggar
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bars, home security hardware, general builder's
hardware.

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Broomfield, CO 80020
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(2191862-4561, 1800) 5823454
FAX: (2191862-4517
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DBA Valli & Colombo, USA
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P.O. Box 245
Duarte, CA 910100245
(818) 359-2569
FAX: [818] 358-0743
Key Personnel: Marinella Farmenti, VP/GM-Manufacturer of Valli & Colombo, Forges & Fusital.

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1125 Lebanon St., PO Box 523
Bronx, NY 10460
1718) 597-7300
FAX: (718) 824-8685
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Vindicator Lock II is an access control device for safes. It provides increased safety, security, accountability and reduced costs. It features a two step access method (electronic key and PIN), is programmable, and it maintains an audit trail of activity. Time detays and time locks can be set for multiple compartments.

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Armseu, E. Coast Reg., Mgr.
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FAX: (508) 256-9765
Key Personniel: John Hiltz, Owner.
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See ad on page 78

Winfield lock 2875 NE 191st St Suite 828 Ventura, FL 33180 (800) 938-7330 FAX: (305) 937-7329

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(310) 316-7709
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Advance Car Mover Company 240 N. Depot St., P.C., Box 1 Jureau, W1 53039 [414] 386:4464 FAX, [414] 386:4416 Key Personnel, Merlin Kreger, President; Pat Reil, Inside Sales Porter Sping Winder makes extension and compress on springs up to 1-1/4" D from wire up to 3/16" diameter 4" Pry Trucks used to move large, heavy safes and other bulky objects up to 5,000 b copacity easily and

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[800] 528-7405
FAX: (800] 760-2975
Key Personnel: Patrick A. Acton, VP Mktg. & Sales: Corol Meolo, Mktg. Mgr.
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lon's lock & Key B9 | 8 Sc. 700 E Sandy, UT 84070 (801) 255 1003 Key Personnel Joh Vowdrey, owner, David Vowdrey, Mgr. We have manufactured the EZ Vats too; which is mplified the making of a VATS key. This too and the 15 Vats key blanks are all you need to originate the pass key. No connecting or disconnecting of any wires necessary. Simple, nexpensive, satisfaction guaranteed.

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Brooklyr, NY 11204
[800] LOCKSMITH
FAX: 17181 236-4504
Key Personnel: Jacob Goldberg, President
1-800 LOCKSMITH is creating a national network of too notch locksmiths. For a monthly rec, authorized agents use the name and logo as their own and radio and television advertising is done on their behalf by the national office.

Locksoft, Iric. P.O. Box 2660 Garthersburg, MD 20886-2660 [301] 258-9245 FAX: [301] 670-6199 Key Personnel: Jon Payne, Pres.; Jerry Cohen. GM; Adam Blum, VP Locksmith industry software, masterkeying, key records, codes, point-of-sale, and accounting. Free calding.

The L.S. Starrett Company 121 Crescent St. Athal. MA 01331 1508) 249-3551 Key Personnel: Charles Morrow, VP Sales, John Pralinsky, NH Sales Mgr : M. McCue, Adv. Manufacturer of precision tools, gages, tape Manufacturer of precision tools, gages, tape measures, saw blades (JIGS/RECIPS/BANDS). Key products for lock industry use: Mr.1 all purpose special lubricant hacksaws/blade hole saws (lot lacksets) and many other maintenance tool precision. tael praguets

Prime Line Products Co 4185 Hallmork Pkwy. San Bernardino, CA 92407 |714| 887-8118 FAX: (714| 880-2906 rax: ,7 14, 863-2700 Key Personnel: Dick Crowther, Pres.; George Sulphen, VP Door reinfarcing sleeves, high security strikes and screen/storm door latches and closers.

Vern Rose Tool 8605 Commerce Ave , Ste. A San Diego, CA 92121 [619] 695-3384 Key Personnel: Dennis Pina, Owner, Connie Baker, Secretary We resharpen all curters and sell new Swiss made cuters for all types of key cutting

Security Protection Devices
P.O. Box 1533
Hawcitan Garcens, CA 90716
Key Personnel, C. Bixhom, Owner
Full Tine of self-protection products and alarms, including pepper sprays, stori gurs, personal alarms, home alarms and car alarms.

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## REPRESENTATIVES

ARIZONA

ARIZONA
Mawrell & Associates
1511 N Hayden Rd. Ste. 160-303
Scottsdale. AZ 85260
[602] 451-1316
AX (602) 451-8187
Sarespeople: Croig Maxwell, Jim Hill
Tennory: AZ, NM, NV, El Paso

G. C. Retcliff Co. Inc. 2430 So. 20th St. #A Phoenix, AZ 85034 1602; 258-5835 FAX: 1602; 252-0148 Salespeople Bill Bailes, Bud Ratcliff, Dawn Territory: AZ, New Mex., El Paso, TX

Rancy M. Rehung 4175 W. Crocus Dr Proenix, AZ 85023 t0021938-1434 Salesperson Randy Renling Territory AZ NIM, El Pasa, TX, Las Vegas, NV

CALIFORNIA

6 M Sales, Inc. O Box 5098 Hurrington Beach, CA 92615 7141 549-5003 FAX 1714; 549-7115 Salespeople: Alan Oblath, Morsha Oblath, juan Jose Solorio, Alan Thorp Manulacturers' representatives to the locksmith and security trade; controct and builders hardware dealers. Covering the states of southern California, southern Nevada, and Arizona. Territory: So. CA, So. NV. AR

Best Marketing Co. Basi Marketing Co. 23 11 Elda St. Brodbury, CA. 91010 1818; 359-7579 FAX: [818] 358-6840 Salespeople: Denis Daines, Georgia Daines, Bob Ipema, Bob Lusigarten, Bill Spivens Territory, So. CA, Las Vegas, NV. AZ, New Mex., El Paso, TX.

Brownell & Associates P.O. Box 32! Tustin, CA 92681-0321 (714) 544-8003 FAX 1714, 544-9301 Territory: So. CA, AZ, Las Vegas, NV, Howa i

Cimaran Pacific 2795 Cherry Hils Dr Discovery Boy, CA 94514 [510] 634:3395 FAX 1510] 634:7577 Sclespeople Mott Murphy No CA No. NV

1531 Fogle Park Rd Haciendo Heights, CA 91745 18181 8107337 FAX: 18181 8103362 Salespeople Barry Coffman, Ron Baer, Harry Temiory: So. CA, So. NV, AZ,

Frenken and Associates 20746 Ellin Forest Rd. Escondido, CA 92029 (619) 744-0366 FAX (619) 744-0366 Salaspacelet Suzi Franken, Kelly Sadowski Temtory So. CA

11923 Solem Dr. Grandoo Hills, CA 91344

(818) 831-7755 FAX [818] 894-0280 Sakspeoper Eller Johnston, John Dean, Karen Phl. Roger Mencozo Temiory, So. CA, AZ, Sa, NV

Nicola & Associates 108 N. McPherson Rd Orange, CA 92669-3721 (714) 538-5515 FAX 1714) 538-9339 Sprespeople: Steve Nicolai, Peter Nichols, Rick Holmes Territary: Sc. CA, So. NV, AZ

Profic Access Sales P.O. Box 1274 1437 Junewood Pl. Monreca, CA 95336 1209; 823-9001 FAX 12001 825-5447 Salespeople, Tom Jackson, Helyett Jackson Tentary, No. CA. NV

Security West Co 2211 E. 69th St long Beach, CA 90805 [310] 630-3134 [AX. 1310] 630-8804 Salespeople: Jeft Johnson, Dick Betreman Territory, So. CA, AZ

Carolree Unlimited Carefree Unlimited C/o Spectrum Associates, Iric. 1240 N. Jefferson, Suite M. Anaheim, CA 92807 17141 630-6977 FAX: (714) 630-3061 Salesperson Dick Jensen Temtory, Sp. NV, Sp. CA, HI.

Sprinkle & Associates, Inc. 2031 E. Cerros Ave., Blag 7 Ste. 78 Annre m. CA 92806 [714] 491-9320 FAX [714] 491-9396 Salespeople, Br. Sprinkle, Don Mears, John-Louer, Frank Caver Territory, Sc. CA, Sc. NV AZ

Taurus Sales 400 T2lih St., Ste. 23 Modesto, CA 95354 (209): 549-0845 FAX: 12091 549-0849 Salespeople: Tim LeGree, Kate DeFortest Teir lary, No. CA. No. NV

Frontnonger 5200 Dixie Rd. #32 Totento Ont. Cenade L4W 2A7 1416-629-4900 FAX: 1416-629-7730 Salespeople, Paul Bayd, Paul Winick-Tentory, Eastern Conodo

The Louderdore Sales Co 1 Richview Rd., Suite 1106-8 Etablicoke, Ont. M9A 4M6 (416) 243-535-4 EAX: (477-65) Salespeople: Barry Lauderdale, Seclak tid Claude Le Bourdais Territory ON, QC, Conada

Mouldens Ltd.
#3-525 Skeena St. N.
Vancouver, BC Conday VSK 9P5
Phone: (604) 299-3550
rAX (604) 299-3590
Salesperson, Margi Moulden, John Payne
Darryl Hamm, Clint Brown, John Mariden,
Amus Sances Aime Searcy Territory, W. Can

COLORADO

Cottons Steele & Assoc , Inc. 2650 W. 2nd Ave. Unit 13 Denver, CO 80219 Deriver, CO 80219
Phone: (303) 922:3692
FAX: (303) 922:5873
Salespeople: George Cohank, Brod Steele, Mark Brezoff
Mark Brezoff
Covered: CO, UT, WY, MT, Territory Covered, CO. UT, WY, MT, ID, NM, El Poso TX.

The Florentine Co 7694 W. Coal Mine P Linleton, CO 80123 [303) 973-4461 FAX: [303] 973-4813 Salespeaple Tony Florentine, Susan Florentine, Jennifer Florentine Ten larry CO UT, New Mex. WY

Sweeney Associates 920 E 17th Ave. Denver CO 80218 (303) 860-1882 1303 1804 1862 FAX. 13031 832-8751 Salespeople: Mise Sweeney: Mary O'Cong Territory: CO. UT, NM, WY, ID, MT. El Paso Territory: Cl County, TX

CONNECTICUT

P.O. Box 572 Tamify lie CT 06081 (203) 651-7240 FAX: (203) 651-9369 Salesperson Joseph P. Devine

Kevin Kelaner Associates 1317 Corbin Ave. 1317 Corbin Ave. 1300 Box 1928 New Britain CT 06050 1928 (203) 224-9234 FAX (203) 826-1103 Salespecole: Kevin Kelaher, Fres. Jim Kelaher, V.P.; Joe Devine: Los le Saunders; Emily Kelaher Leutony, New England Territory New England
Manufacturer's representatives for New England. Specialize in sales to ocksmith who esalers, hardware wholesalers, OEM occounts contract hardware accounts and specialty markets

FLORIDA

PASY/DLB & Associates 93 NW 166 St Miami, FL 33 169 Mioni, FL 33169 |305| 947-4852 |800| 722-4549 |FAX: |305| 949-6620

Rand-Mark, Inc P.O. Bax 5283 Ft. Isuderdale, Ft. 33310-5283 (305) 484-1284 FAX (305) 484-6345 Salesseeple, A. Hank Sterr, I. Jelf Stern Territory, Ft., except NW comer, GA

Surbeit Sales Inc (050 Crystal Bawl CR, Casselberry, Fl. 32707 (407) 695-6166 FAX: 14071 695-4166 Salespeople: Keir Lund, Stan Schureman, Jason Jund, Dione sund Territory, FL

Suncods! Marketing Assoc Inc 143 8th Avenue North Safety Harbor FL 34595-[813] 724 1916 FAX: [813] 724-8206 Salespeople: Mike Barnett, Ed Skooland, Jeff

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Barnett, Necl Boynton, Tom Melville Territory: FL, GA, AL, NC, SC, TN

**GEORGIA** 

GEORGIA
Cowl/Russami Associates
2289 Rushmare Dr
Marietla, GA 30062
4041992-8725
FAX: [404] 992-0776
Salespeape: Mike Russom, Dave Cavil
Territory: GA, AL, NC, SC, VA, East TN, FL

G les & Associates
4713 Hammermill Rd.
Tucker, OA 30084
Phone (404) 493-8811
FAX: (404) 491-1653
Salespeaple: Brenda Bundy,
George G les Greg Baugh,
Angela Faircloth
Territory GA, AL, TN

R.E. Perkola Representatives P.O. Box 779 Butord, GA 30518 Phone: (404) 945-7854 FAX: 1404) 271-0625 Salespeople: Robert Perkola, Charles Pendleton Territory: GA, AL

S.B.S. Associates, Inc. 1530 Hillcrest Rd. Naicross, GA 30093 1404, 923-9277 FAX: 1404) 923-9262 Selliner, Jim Southard, Larry Cleshier, Jim Pk.lliner Terrifory: VA, NC, SC, TN, GA, AL, FL, MS

ILLINOIS

Grolls & Associales 11727 S. Brightway Mokena, IL 60448 Phone: 17081 479-1324 FAX 17081 479-6364 Salespeople: Tom R. Grotts, William [Bill] Temtory: I.I. No. IN, Sw WI, MI.

A.J. Hildebrand Co. 137 N. Oak Park Ave., Rm. 401 Oak Park, II 60301 Phone (708) 383 2333 FAX: (708) 383 1377 Salescapes Gass Hildsburged, Ro FAC , 706, 363 1977 Salespeople: Gary Hildebrand, Robert Hamson, Michael Robinson, Don Shrader, Larry Coll ns
Territory, No. It. E. WIL, Nw IN
Representing Von Duprin heavy duty panic/exit
devices and related electrical security products
and access control systems, magnetic locks and
electric strikes: National Guard Weatherstrip,
gasketing and thresholds: Glynn-Johnson,
heavy duty overhead door holders and door
control products. Mehawk wood abors,
architectural and commercial wood abors.

Novi Sales IIIc.
P.O. Box. 2082
Northbreak, II. 60065
Phone: (708) 564-1976
FAX: 17081 564-5602
Salespeople David Shapiro,
Marshall Shapire.
Territoric II. So. W/I Territory: IL, So. WI

Midwest Sales and Marketing Group 11258 takefield Dr. Orland Park, II. 60462 1708| 479-2113 FAX: 1705) 479-2231 Salespeople, Richard Stukus, Jim Miller Territory: IL, Will, NW IN.

Robert Perry Associates, Inc. 509 lunt Ave. Schaumbing, IL 60193-4422 [708] 894-1700

FAX: (708) 894-3198 Salespeople: Robert Perry DAHC, CDL, CCS; Sandra Perry Territory, IL, IN, WI

Gene Simon, Hardware Specialist P.O. Box 51 Flossmoor, IL 60422-1051 |708| 799-8783 |FAX: |708| 799-4322 Territory: il, N. MI, MN, MO, OH, WI

Smith & Smith Sales Inc 10336 5. Western Ave. Chicago, IL 60643 Phone: (312) 238-5570 FAX. (312) 881-4258 Salespeople. Robert Smith; Richard Smith

420 Appley Ave. Ubertyville, IL 600481929 1708| 6809460 FAX. 1708| 6800150 Salespeople, Lance Jensen, Marge Ross, Jerry Sadowski Temtory: No. IL, S.E. WI, No. IN.

Huntsman Representation Inc. 10 Beechwood, P.O. Box 985 Hutchinson, KS 67504-0985 Phone (316) 665-8780 FAX: (316) 665-8780 Salespeople: Wayne Huntsman, Wondo I. Huntsman. Territory: MO, IA, NE, KS

LOUISIANA

Lem McCoy Associates 2424 Chestrut St. New Orleans, LA 70130 1504) 895-8818

FAX: (504) 895/7228

Maryland waryiona Bay Sales Co P.O. Box 86 Fallston, MD 21047 Phone: (410) 877-1733 Salespeison: Timathy Flanigon Territory: MD, DC, VA, DE,

Fallows And Associates Inc 2322 Harcreft Rd. Timorium, MD 21093 (410) 252-1331 FAX, 1410) 252-6134 Salesperson: Jim Fallows, Bob Hicks, Dale Schawirsch, Jean e Fischer Terr Lary: MD, Wash, DC, DE, VA

R1 Frazier Inc. 19600 Walter Johnson Rd. Germantown, MD 20874 (301) 428-9410 FAX (301) 428-1718 Salespee Deel, Paul Frazier, Lee Frazier, Steve Rowles, Randy Jump Temlory: MD, VA, DC

IDL Associates JDL Associates
4941 Brompton Parkway
Ellicon City, MD 21043
(4101756-2225
FAX: [410] 750-1052
Salesperson, Jeffrey Lurher
Temtory: MD, Wash, DC, VA, E,PA,
S, N, DE S. N., Dt. A manufacturer representative agency established in 1988. Markets covered include locksmith wholesalers, contract hardware, industrial schools and government agencies. Manufacturers represented include HPC, CCL Security Products, AirLock, Meilink and Alarm Lock.



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Pation Associates, Inc. 9057 Shady Grove Court Gaithersburg, MD 20877 |301| 258-8844 |AX |301| 948-7707 Salespeople: H.T. Patron, Jr., J.A. Hardesty Territory: MD, VA, Wash, DC

### MASSACHUSETTS

Bullard Associates 55 Commerce Way Dedhom, MA 02026-9132 Phone: (617) 329-2299 FAX: (617) 329-4438 Territory: New England.

Perlman Associates P.O. Box 45 Accard Branch Hingham, MA 0201B (617) 749-1840 FAX (617) 740-4647 Sa espécole: Ralph Perlman, Irving Perlman Territory: ME, NH, VT, MA, RI, CT

Smoot Associates F.O. Box T Norwell MA 02061 1617) 5267705 FAX: 1617| 826-0755 Salespeople: Paul Smoor, James Dewar, James MocNamee, Rerie Bouchard Territory: New England

Sterling Hardware Group
P.O. Box 936
36 Pratts Jot. Rd.
Sterling, MA 01564
(508) 422-8641
FAX: (508) 422-3467
Salespeople: Del Monroe, Steve Monroe,
Norm Longrais, Penny Blankenship
Territory New England

TED Associates P.O. Box 73 S. Easton, MA 02375 Phone: (508) 238-8055 FAX 1508) 238-8058 Salespeople: Waller Ellicit, Territory: New England

Jerry Vinck & Associates 416 N. Maare St Lea's Summit, MD 64081 Phone: (816) 5241039 FAX: (816) 525-1315 Salespeople Michael Vinck, Jerry Vinck, Tnomas Vinck Territory: MO, KS, IA, NE, IL.

### MICHIGAN

MICHIGAN
Gordon MacDonald Associates
725 South Adams Rd., Suite L6 I
Burningham, MI 48009-6902
(810) 645-6250
FAX: (810) 647-9687
Salesperson, Gardon,
Territory, MI, IN, N.W. OH

### MINNESOTA

Galaxy Sales Inc. 41-10th Ave. North 41 Torn Ave. Norn Hookins, MN 16121935-1919 FAX (612)935-9836 Salespeople. Davé Nessa, Gary Clifford, Skip Schultz, Bob Hammermeister. Tom Nessa Terriory MN, SD, ND, IA, Western WI

HMR, Inc. 9065 Lyndale Ave., So. Blacmington, MN 55420-3520 |612| 888-2122 FAX: |612| 884-4768 Salespeople, Zev, Carol, Jeff Territory: MN, ND, SD, Western WI

Kenaco Inc. 12885 Gerard Dr F2883 Gerard Dr. Eden Prairie, MN 55346 (612) 944-2616 FAX: (612) 944-0581 Salesperson: Ken Anderson Ferritory: MN, IA, WI, ND, SD, NE

Kodo Associates Inc. 400 East 79th St. Minneapolis, MN 55420-1253 [612] 881-1255 FAX: [612] 881-6893 Salespeople Brian Lethert, Dan Stelter, Sharon Goetzke, Kodo Kawomura Territary: MN, ND, SD, Western WI

K. S. Soles 1023 Dwane St. So. St. Poul, MN 55075 Phone. (612) 451-3504 FAX: (612) 457-0532 Solesperson C. E. Garross Territory, MN, W-Wise, ND, SD. SD

M.R. Representatives 800 Transfer Rd. , Suite 32 Sr. Paul, MN 55114 (612) 659-0801 FAX (612) 659-0803 Salespeople: Ken Minehon, Mark Schräntz Territory: MN, ND, SD, Western VVI

Northern Market Representatives 3865 Granado Way North Oakdole, MN 55128 [612] 779-7622 FAX: 1612[ 659-6641 Salespeople: George Hall, Paula Hall Territory: MN, ND, WI, IA, SD, NE

### MISSOURI

MISSOURI
Jerry Vinck & Associates
419 N. Moore St.
Lee's Summit, MO 64081
Phone: [816] 524-1039
FAX: (816] 525-1315
Salespeople: Michael Vinck, Jerry Vinck, Thomas Vinck.
Territory, MO, KS, IA, NE, IL.

### **NEW JERSEY**

Horris & Lobo 1050 Wall St. West Lyndhurst, NJ 0707 1 (2011 935-7550 FAX: [201] 935-8738 Salespeople: John Zawrotnak, Wally Lobo, Toda Gertz, Mike Russa, Rob Skidmore Territory: NY, NJ metro area

Herlo, Inc. 623 Eggle Rock Ave. West Orange, NJ 07052 [201] 731-1600 FAX: [201] 731-7340 Salespeople: Richard Unice, Arthur Lefkowitz, Gilbert Wasserman, Hy Hoffmon, Hy Mallen, Walt Duszyński, Carl Mattaliano. Territory: NY, NJ, Upstate NY

Koines & Alan, Inc. P.O. Box 505 Chester, NJ 07930 1908) 879-7720 FAX: (908) 879-4027 Salesperson, Arthur J. Koines Territory, NY, NJ, New England

Dave Mc Fadden & Associates 624 Holly Hill Dr. Brielle, NJ 08730 Phone: 1908| 528-6607 Salesperson: Dave Mc Fadden Territory: 13 states.

Paul J. Polke Co. 48 Čak St.

Clifton, NJ 07014 Phone: (201) 777-7500 FAX: (201) 777-0820 Salespeople: Ron Hasbrouck, Scott Lemmon, Eric Weinstein, Mike Quinlan, Norm Stevens, John Rein Territory: All of the state of New York, No. NI.

Triod Associates
903 Teaberry Lane
Brielle, NJ 08730
(908) 528-5658
FAX. 1908) 223-8396
Salespeople Stan Rosenthal, Dave Bryant, John Saladucha, William Lane
Territory: NY, NJ, Eastern PA, MD, DC

### **NEW YORK**

CG Sales Company 2677 Terrell Avenue 20/ Terrell Averue Oceanside, NY 11572 1516) 766-6549 FAX: (516) 536-5368 Salesperson: Carmen Gagliano Territory: Northern NJ, NY State

Glezen Associates Inc. 13 Havens St. Elmsford, NY 10523 Phone: (914) 592-3800 FAX (914) 592-3813 Salespeaple: Richard Hausler, Rachael Sama, Bob Worlskehl, Fred York Fred Fork
Territory: Metropolitan NY
Manufacturers representatives for R.R. Brink,
P.C. Henderson, Reese, Rixson-Firemark and

Michael H. Kaye 444 E. 82nd St. New York, NY 10028 (212) 472-1573 Territory: NY Metropolitan area

The Moyer Agency 130 Bennett Rd. Pine City, NY 14871 |607| 732-2738 |607| 732-7997 Salespeople: Paul B. Moyer, Robert Moyer, Kyle Hooblet Territory: Upstate NY

Tri-Star Soles Triana sales
22 Tryon Ave.
Staten Island, NY 10312
(718) 948-6088
FAX. [718] 966-7531
Salespeaple: Len Solomon, Bob Mayer
Territory: NYC, Long Island. Westchester, No. N.

### **NORTH CAROLINA**

Everett Dukes Associates Inc. 7517 Orr Rd. Charlotte, NC 28213 [704] 596-6050 FAX: [704] 596-6060 Salespeople Mickey lawson, Everett Dukes Jr., Mark Dukes, Teresa Helms, Jay Woodord Territory: Carolinas, VA, East TN

O'Neill Associates 2317 Cloister Dr. Charlotte, NC 28211 1704) 366-7589 FAX: (704) 365-6417 Salespeople: T.B. O'Neill, DAHC; A.B. Hairington, AHC., Wm. Heims Territory: NC, SC, 1/2 VA

Tsantes & Assoc. 9237 Kings Canyon Dr. Charlotte, NC 28210 (704) 541-5398 FAX: (704) 541-5397 Territory: NC, SC, GA, FL

Youngblood Associates Inc 4475 Marris Park Dr., Suite L Charlotte, NC 28227 Phone: (704) 545-4545 FAX: (704) 545-5060 Salespeople: Dave Youngblood, William Fallers Territory\_NC, SC.

OHIO

Associated Hardware Agents P.O. Bax 247 Waaster, OH 44691 (216) 264-8051 FAX: (216) 264-8035 Salespeople: Dick Maynard, Al Langtry, Larry Beson, Andy Schlicht, Jim Shanahan Territory: Ohio, W. PA., W.VA

Bockert & Associates, Inc. 33 State Rt. 6 Norwalk, OH 44857-9762 [800] 321-7550 jouuj 321-7550 FAX: J419) 663-1588 Salespeople John Bockert,Pres.; Paulette Michener Bockert, Ofc. Mgr; Jack Lane, AHC; Jeff Nill Territory: MI, OH, IN, KY, W VA, Western PA, upstate NY, Ontario Locksmith equipment, security hardware, architectural hardware and doors, access

Burson Brothers 24015 Bruce Rd. Bay Village, OH 44140 (216) 871-5952 FAX. (216) 871-5696 Salespeople: Jack Burson, Don Burson, Dave Burson Temtory: OH, W.VA, MI

EGE 20728 Erie Rd., Suite B Rocky River, OH 44116 (216) 331-2868 FAX: (216) 331-1790 Salespeople Ernest Green Territory, OH, W, VA, W, PA

Lent and Associates 6591 Blackhawk Circle Westerville, OH 43081 (614) 891-5535 (614) 891-5577 Salesperson: Gene Lent, Mike Lent Territory: OH, IN, KY, W. VA, W. PA

Howard W. Murray Company 28901 Clemens Rd. Westlake, OH 44145 [216] 835-9390 [216] 835-3776 Salespeople: Mike Murray, Jim Murray, Todd Territory: OH, MI, IN, W. PA, W. VA

Ed O'Grady P.O. Box 29213 Columbus, OH 43229 (614) 882-6800 FAX: (614) 898-9094 Salesperson: Ed O'Grady Territory: W. PA, KY, OH.

The Roach Co.
1600 Jupiter Ave.
Hilliard. OH 43026
(614) 771-6006
FAX: (614) 771-6007
Saléspeople: Bill Roach III, Peggy Roach
Territory. OH, KY
The Roach Company is a manufacturing
representative agency, selling wood and
fiberglass doors, key cabinets, decorative brass
door levers, thresholds, weatherstripping, foot
grotes and mats, grab bars, hand rail systems
and shower seats. and shower seals

Stanley Tepper & Co. Inc. 6405 Gales Mills Blvd Cleveland, OH 44124 (216) 461-6110 FAX: (216) 461-1213 Territory: OH, W. VA, W. PA

**OKLAHOMA** 

Tedco Agency, Inc. 1101 Enterprise Ave., Suite 3 Oklahoma City, OK 73128 (405) 948-1622 Salespeople: Ted Bunga, Linda Bunga, Michael Quinnet Territory: OK, AR

PENNSYLVANIA

AHA Inc. 418 Manordale Dr Pittsburgh, PA 15241 14121 831-7877 Territory: OH, W VA, W PA

R.L. Larrabee Mfg. Agency Inc. 600 Haverford Rd. P.O. Box 217 Haverford, PA 19041 J610) 6420105 FAX: (610) 642-0130 Salespeople: Stephen Larrabee, Larry Larrabee, Thomas Myers Territory: So NJ, E. PA, DE, MD, Wash. DC, VA

Mid-Atlantic Agents, Itd. 14 Cambridge Rd. Downingtown, PA 19335 [610] 458-0390 FAX: 16101 458-0261 FAX: 16101 458-0261 Salespeople: Bab Cale, Straron Astron, AHC, Richard Manly, Ed Linaugh. Territory: E. PA, S. NJ, DE, MD, VA, DC

Palmer & Golden Sales Inc. P.O. Box 572 Havertown, PA 19083-0572 (610| 649-1343 FAX-1610| 328-4199 Solespeople: Joel K. Golden. Temtory: PA, So NJ, DE, MD, DC, VA

Sporkiri Associates Inc. 520 Abbott Dr. Broomall, PA 19008 (610) 544-6060 1610 544-6060 FAX: (610) 544-8040 Salespeople: Mel Sporkin, CDC, George E. Esposito, AHC/CDC, Branch Mgr.; Sam Abramowitz, Sales Territory: S. NJ, E. PA, DE, MD, VA, Wash 2 branch offices (MD) (PA) - 9 employees CDC Certified Door Consultant and AHC -Architectural Hardware Consultants on staff.

TEXAS Clark & Shuck Associates, Inc. 2603 Southwell Rd., Ste. 103 Dallas, TX 75229 1214) 247-4692 FAX: (214) 246-3606 Salespeople: Don Clark, Con Shuck, Mike Clark, Dave Popovich, Greg Shuck Temitory: TX, OK, AR, Shelby Co., LA

Daor Controls P.O. Box 292725 Lewisville, TX 75029 (214) 317-4477 FAX: (214) 317-2700 FAX: [214] 317-2700
Solesperson: Bryan R. Sanderford,
Territory: TX, OK, AR, LA
Dortranics - electromagnetic locks - Crypto code
- stand alone access control Ensec - remote
dial-up access control. International Integrated CCTV Tomsed - turnstiles.

Galis Enterprises, Inc. P.O. Box 13334

Arlington, TX 76094 (817) 461-2079 FAX: 1817) 860-6999 Salespeople: Martin Galis, Eric Klein Territory: TX, OK, AR

Howard Sales Co 4625 Ripley Dr. El Paso, TX 79922 (915) 833-7733 AX: (915) 833-7770 Salesperson: Bill Uhlig Territory: US

Sanderford & Associates P.O. Box 292725 Lewisville, TX 75029 (214) 317-4477 FAX. (214) 317-2700 Salespeople: Bryan R. Sanderford, John Charey Territory: TX, OK, LA, AR

Security Hardware Marketing Co. 14580 E. Beltwood Parkway, Suite 107 Dallas, TX,75244 [214) 960-2002 FAX: (214) 960-2029 Salesperson. Tony Whitey, Jr., Larry Prichard Territory. TX, OK, LA, AR, MS, KS, W.Tn. South Texas Office 14225 SPID, Ste. 10-303 Corpus Christi, TX, 78418 [512) 949-7782 FAX: (512) 949-8074 FAX: (512) 949-8074 Tony Whirley, Sr., Rick Taylor Territory: Same as above

H. L. Simon Company n, 1, 3 mon Company 1314 Huntington Dr. Richardson, 1X 75080 [214] 234-8009 FAX: [214] 234-0339 Territory: TX, OK, KS, AZ, UT, CO, NM

UTAH

UTAH
Nelson & Associates
927 E. Millstream Way
Bountiful, UT 840 | 0
(801 | 295-0328
FAX. |801) 295-4535
Salesperson: Mel Nelson
Territory: UT, CO, ID, WY, MT

WASHINGTON

WASHINGTON
WASHINGTON
2217 Broadway
Everet, WA 98201
Phone (206) 252-1200
FAX: (206) 259-4355
Salespeople: Gene Hedrick,
Mary Peterson, Mike Dulin,
Territory: OR, WA, AK, ID

Frank J. Martin Co. 8512 20th Ave. NE Seattle, WA 98115 1206) 523-7665 FAX: (206) 523-9876 Salesperson Marty Mortin, Beth Nielsen Territory, "WA, OR, AK, ID, BC, Alberta

Rager Panto Associates, Inc. 12816 N.E. 125the Way Kirkland, W.A. 98034 (206) 821-2996 FAX: (206) 823-9827 Territory: AK, W.A, OR, ID, MT, HI

WISCONSIN

Donald A. Lass Associates Inc. 3603 W. Oklahoma Ave. Milwaukee, WI 53215 [414] 384-4448 FAX: [414] 384:5577 Salespeople Jeli Loss, Matt Loss Territory: WI.



### **SCHOOLS**

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60482 Active's Locksmithing Course was developed for the individual with no experience or prior training, but who wishes to learn the craft and beign a locksmithing career, or far the individual with previous experience who wants to expand and further his abilities and techniques. This course is an irrhouse, hands on, training program where you will form by doing.

### See ad on page 57

California institute of Locksmithing, Inc. Van Nuys, CA 91411 (818) 994-7426 Key Personnel Charles Hasekian, Pres ; Michael Bell, Dir., Edward Ailes, Instr., D. Paisley, Asst Instr.

Colorado Lks. College Inc. Westmuster, CO 80030 1303) 427-7773

ISC3: 427-77/3
Key Personnel: Howard Smith, Pres
Colorado Locksmith College credits its growth
success to the fact that we leach established
courses, customized courses, and one lesson
courses to our students. We believe in supply
and demand, you supply the need; we meet
the demand

### See ad on page 58

Faley Besaw Institute 6301 Equitable Rd. Kansas City, MO 64120 18001 821 3452 (orders only) [816] 483-2700 (customer service) Foley Belsaw's nationally recognized professional locksmith correspondence course professional locksmith correspondence course covers both basic and advanced training, including a aims and security systems. Our unique "hands on maining" approach makes learning easy. Course includes all lessons, tools, supplies, maining one business aids, and professional. 3-in-1 micrometer controlled key machine at no extra cost. Send today for your free "Locksmith Career K.L."

### Golden Gate School Of Lock Technology

3722 San Pablo Ave. Oakland CA 94608 [510] 654-2677 Key Personne Edwin W.L. Scott Jr., Dir ; Charlie L. Cunningham, Chief Instr. Our school utilizes a unique teaching technique. n an effort to turn out good, potential employees for the ocksmith industry. For those who quality, we also after two week short term courses in just about any aspect of locksmithing. We also offer three week short

### See ad on page 90

### Lock & Safe Institute of Technology

North Federal ompono Beach, FL 33062 (305) 785-0444 Complete locksmith course is offered at our South Florida campus. Practicing locksmiths may learn any subject area. Our students learn through "narras on" and field experience. Oraduated are given a 24 hour, seven days a week halfire for technical information and help.

### See ad on page 95

Lockmasters 085 Donville Ra licholasville KY 40356-9531 061 885-6041 FAX 16061 885-7093

Key Personnel, Clayton Miller, President, Mark Miller Sales Director Educational Classes: Residential locksmithing Educational Classes: Residential rocksminning and all sale and vault related courses, and a New Electronic Access Control course are available. Correspondence sale lock servicing, combination lock manipulation.

### See ad on page 60

locksmirh School Inc. 3901 S. Wendlam St. Indianapolis, IN 46217 (317) 632-3979 Key Persannel: Jim Williams, Instructor: Anna Gaulden, Pres

Locksmithing Institute of America, Inc. 220 Fairfield Rd. Fairfield, NJ 07004 1800) 526 0890 [201) 575-5225 [NJ] Key Personnel, John P. Regan, Pres. The Locksmithing Institute of America, Inc., has been in business since 1948. We offer a complete training program in professional ocksmithing and have rought tens of thousands of students all over the world's rice our inception.

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Boston, MA 02113
6171 227-0155
FAX 16171 227-9292
Key Personnet Jack Hobin, CPL Instructor; Key Personnel: Jack Hobin, CPL Instructor; David Brewster, Dir of Admissions Founded in 1885, NBSS is an accredited member of ACCSCT. Specializing in hand soal skills, we offer 1170 hours of training in servicing all mechanical residential and commercial door-locking devices, setup of master key systems, install lacks, service automotive locks, and servicing of combination locks.

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NRI School of Locksmithing 4401 Connecticut Ave. NVV Washington, DC 20008 (202) 244-1600 Key Personnel: Bill Coleman, Exec. Dir ; Tyrone Robinson, Senior Instr., Bill Braxton, Sr backsmithing and electronic security training is now available from NRI Schools. NRI gives you training in both acksmithing and electronic security systems in one complete new course. You train at home, according to your schedule. Write to us raday for your free catalog.

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Pine City, MN 55063 (800) 521-7463 (800) 521-7463
Key Personnel: John Heckman, CML, Instr., Jay Hutchins, Dean-Student Svc.
Pine Technical College, lacated 60 miles north of Minnesata/St. Paul, is one of Minnesata's 34 technical colleges. In addition to other business and trade programs, the dollege affers a 96 credit diploma and 108 credit AAS degree (two years) in locksmithing technology. The program (including internship) encompasses all aspects of the planning, installation, management and repair of locks, electronic security, and allied systems.

### See ad on page 71

Prince George's Community College Locksmith Program 301 Large Rd. Large, MD 20772 (301) 322-0871 FAX [301] 808-0960 Key Personnel Mary Oursier, Program. Cooldinator Offers a beginning and an advanced locksmith program. Specialized courses are affered for professional locksmiths.

Quintilian Institute Services 5001A Lee Highway #100 Arlington, VA 22207 1703: 525-7525 (703) 525-7525 FAX: 17031 243:5476 Key Personnel: Carl Cintron, Principal Rey resonnel Car Cintran, Frincipal Quintilian Institute offers all new classes for 1994. Housed in a permanent facility near Washington, D.C., we train government and civilian personnel in lock technologies. Q.L.S. is also a supaliter of specialized tools for the lock and sole industry. and safe industry

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Canada
[403] 342-3431
FAX: [403] 340-8940
Key Personnel Cyril Hermany, Instructor
Located 90 miles north of Calgary, AB, Red
Deer College administers the four-year Alberta
Locksmith Apprenticeship, program, which
consists of eight weeks of bairing per year,
Cantact Alberta Career Development [403]
427-8745 for information 427-8765 for information

School of Lack Technology 1049 Island Ave. San Diego, CA 92101 [619] 234-1036 FAX [619] 234-5937 Key Personnel: Frank Horlung, Admin., Doug. Hertung Instructor Offers 12 to 20 week courses in Basic Locksmithing, including key duplication, lock releying, oicking, impressioning, and installations. The course includes all necessary tools and materials and the locksmith license application fee. Students must be 18 years of age at older and pass on obility-to-benefit test.

School of Lock Technology 302 W Katella Ave. Orange, CA 92667 (714] 525-7829 FAX: [714] 525-1364 Key Personnel, Charles Brown, Admin., Wayne Mans, Dir. Offers 12 to 20 week courses in Basic Locksmithing, including Languist Reporters tocksmithing, including key duplication, tekeying, picking, impressioning, and

installations. The course includes all necessary tools and materials and the locksmith license application lee. Students must be 1.8 years of age or older and pass an ability to benefit test.

Security Education Plus P.O. Box 497 Nicholasville, KY 40356 1606) 887 6027 FAX: (606) 887-6027 Key Personnel: Rex E. Parmelee, Pres

Universal School of Master Locksmithing 3201 Fulton Ave Sacramento, CA 95821 1916) 482-4216 Key Personnel: Rick Vanuna, Pres. Correspondence and shoot training. Warking shoot environment.

Valley Technical Institute
5408 N. Blackstone Ave.
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FAX: 1209/ 439-3814
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## BEGINNER'S CORNER

Common Problems, Common Solutions

Within just a few days of starting a new business, the new locksmith will run into problems that he did not learn in school. Following are some types of jobs that customers might call about. These are



by Eugene Gentry

not complete instructions on how to do the job, but will give you an idea what might cause the problem.

**PROBLEM:** The key works in the knob set and the knob will turn, but the front door will not open.

SOLUTION: Look in the gap between the door and the jam to see if the latch is retracting fully. Many times the latch and spindle are worn so the latch is still part way in the strike. Remove the knob set and retract the latch with a screw driver. Replace the latch, or whole knob set if needed.

**PROBLEM:** Key turns all the way around in a deadbolt lock but will not retract the bolt.

SOLUTION: The tail piece has broken, or the retaining clip has broken or worked loose from back of lock causing the tail piece to disengage. Gain entry to the house through another door. Remove the deadbolt from the door and retract the bolt with a screw driver. If there is no entrance, then you will have to drill the plug and use a thin screw driver to retract the bolt. Replace the tail piece with a new retainer clip or replace entire lock if damaged.

**PROBLEM:** Ford has trunk key that turns all around, but does not retract the latch.

**SOLUTION:** Tail piece has broken off, or has come loose from back of lock. Drill out plug and use a long thin screwdriver to turn the latch.

Replace the lock with a new one. Customer may request the new lock to be keyed like the old one.

**PROBLEM:** Ford Taurus has ignition key that has to be wiggled up and down before it will turn.

SOLUTION: Key is bent and worn. Decode the old key and make new key from code. If you do not have a code machine, make a duplicate key from .005" to .010" over size to accommodate the wear. If duplicate key does not work properly, replace ignition lock.

**PROBLEM:** Customer has spent two hours trying to get a broken key out of a mortise lock.

**SOLUTION:** Plug was not completely turned to the closed position. Turn plug to proper closed position and use key removal tools to take out broken key.

**PROBLEM:** Duplicate key made by hardware store is forced and breaks off in the ignition of a foreign car.

**SOLUTION:** Possibly a wrong blank. Remove the broken key with removal tools, and duplicate the original key with the correct blank.

PROBLEM: Master Padlock located on an outside gate with a shackle that is difficult to open and close.

**SOLUTION:** If the padlock has been outside for a long time it probably has dirt and grime inside. Clean and lubricate.

**PROBLEM:** The key pulls out of a Volkswagen ignition before it can be turned to the off position, and the auto is still running. The key cannot be put back into the ignition.

SOLUTION: You have to pick the ignition backwards to the off position to stop the engine, then pick it back to the lock position to be able to use the key. The key has probably worn, make a new key from code.

**PROBLEM:** Rekey a house with Kwikset and Weiser knob lock sets, and a foreign made dead lock. All use the Kwikset key blank.

SOLUTION: Suggest to the customer that they change all the locks to one brand. Different brands, even though they use the same key blank, are more difficult to rekey and more likely to cause problems than using locks all of the same brand.

**PROBLEM:** Open a high security padlock that you cannot cut and cannot pick open. Customer has lost the key.

**SOLUTION:** Use a Dremel or high speed rotary tool, with an abrasive cutter and it will go through even hardened shackles like butter.

**PROBLEM:** You duplicate a key and it fits the keyway but will not turn the lock.

**SOLUTION:** Check to be sure that you have the correct blank. If the blank is correct, and the old key works, decode the old key and cut one to code.

**PROBLEM:** Make a duplicate key for lock, and customer says it will not go into the keyway.

SOLUTION: Check for the wrong blank. Many keying systems have what is called a multiplex or sectional keyways. While the blanks are very similar, they may not have the exact keyway.

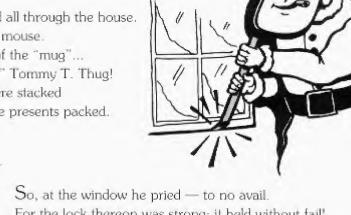
**PROBLEM:** Rekeying locks with a universal pinning kit. Sometimes the pins are either too high or too low with no pins in between.

SOLUTION: This problem usually occurs using a .005" increment universal pinning kit. A .003" increment universal pinning kit will usually solve this problem. Or by purchasing pinning kits for each of the different brands you have an exact pin that fits in that particular lock.



TOMMY T. THUG by Jake Jakubuwski

Not a creature was stirring, not even a mouse. But, outside with a pry-bar, and tools of the "mug"... Was the Christmas-time burglar, "Slick" Tommy T. Thug! He was trying to get where goodies were stacked There, 'neath the tree, he could see the presents packed.



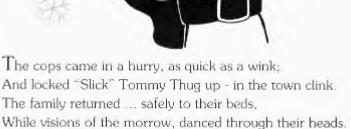


For the lock thereon was strong; it held without fail! "Slick" Tommy knew for sure, no noise could be make, For the family napping, in their beds, might wake! Ever so quietly, did he creep to the door. His luck there was much worse than the window — not more! The family that slept, were security-wise ... They knew that good locks, would help keep out the bad guys. So, barely two weeks ago, they had installed.... Deadbolts and window locks ... a locksmith they called.

As for "Slick" Tommy? No luck, did he have that night. Though he pried, and pushed, with all of his might. The doors and the windows ...they simply would not budge. Although 'Slick' Tommy gave them, a pry-bar type nudge. As Slick Tommy tried ... to depart from the scene, The night - it was pierced - by a siren's shrill scream! "Slick" Tommy's frantic prying, tho' to no avail ... Set off an alarm, causing the siren to wail









And through the starry night sky, with hardly a pause, Flew a sleigh, eight small reindeer, and Ol' Santa Claus. Who merrily said, as he passed out of sight: Merry Christmas to all! And, to all, a good night!



BEEE-EEEP!

BEEEE-EEEEP!

BEEEE-EEEEP!



















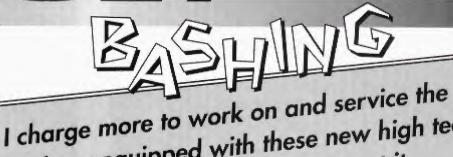








so equipped.



containers equipped with these new high tech With the advent and the proliferation of LaGard Digital Swingbolt locks, our industry (Safe Servicing and Opening) has taken a quick step into the future of electronics and security. A parallel happening in the locksmithing auto industry was the introduction of the VATS/PASSKEY on GM cars. The locksmith had to become familiar with new and extended means of servicing and generating ignition keys for cars

Also needed are new tools to service the VATS systems. Likewise, there are a few new tools needed to make servicing these electronic locks easier. These include eight pin connectors and cable crimpers with an array of smaller electronic parts. I will cover these tools and parts in another article.

I am seeing more of these locks used in restaurants and fast food chains, and so will you. They are easy to service and change the combination. But, they also foul up rather often, and it is mainly because of user error. The safe container owners will try to change the lock combination, and it will mess up. In the end they will blame you instead of themselves. Learning to service these locks is easy.

with any new high tech products, I charge more to work on and service the containers equipped with these locks and the customers expect it. The real problem if the lock or keypad foul up is that there is no way to fix them. The problems may be hard to diagnose, but even if you do find a bad chip, it may be impossible to change it, and impossible to obtain. Many of the chips are proprietary, and impossible for an end user to

purchase.

The first thing to do with any I locked safe is to identify the handing of the lock and the direction of the swingbolt. Next month's article will show you how to do that in a matter of minutes. For this opening, it is not necessary to do so. The safe container in question was a double safe with an over and under configuration. Photograph one shows the Payless Shoe store safe. The upper safe has a push button and a handle as shown in photograph two.

locks and the customers expect it. lower safe had an identical lock and handle configuration, with the Time Delay Key Pad.

> The problem here was that the store wanted to use the lower safe. In fact, they had accidentally dropped a large deposit into the lower safe through a drop slot in the upper safe. They did not know the combination of the lower safe and needed the currency stored there in.

> My first rule when working with safes equipped with digital swingbolt locks is to try to open the safe by bypassing the swingbolt itself. The last resort is to drill the lock, After drilling the lock, it is basically worthless and must be replaced. Photograph three shows the configuration of the upper safe door which was identical to the lower safe.

> The safe is shown in the open position. Notice the lock is mounted Vertical Up position, and just above the lock is the door bolt slide pin. The bolt is attached to the door with a washer and cotter key. If one could



1. Full view of digital access locks on both upper and lower safe containers.



2. Upper Safe Door with standard LAG3000 Round Push Button Entry Pad.















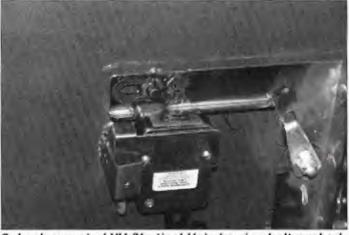












3. Lock mounted VU (Vertical Up) showing bolt pushed over swing bolt lock. Note the washer and cotter key that hold the bolt bar to the door.



 Little Tommy snaking his arm through the drop slot to remove the back cover of the door and the cotter key and washer.

remove the pin and washer, one could move the bolt away from the swingbolt and bypass it when the handle is turned.

This is exactly what Little Tommy and I did. Tom Powers was able to stick his hand down through the drop slot and feel the back of the lower safe door. That is Little Tommy in photograph four with his arm in the drop slot working on the back of the lower safe door. He had to remove one screw to gain access to the inner door mechanisms.

Since the lower door was locked, the cover could not be completely removed. It was possible to pull the far side of the door away from the lock body. With the cover ajar, Tom could reach the cotter key and washer. Unfortunately, the cotter key was impossible to pull out. From the edge of the door we measured back 8-1/4". We then drilled a 1/4" hole in the floor of the upper safe and inserted a hook wire.

With this wire, and a little luck, we pulled the cotter key up and out in about two minutes. With the same wire in the same hole, we pushed the bolt out enough so that when we turned the handle on the lower safe, it opened. Total time for the opening was about 15 minutes and we did not damage the lock or safe door at all. All repairs were hidden.

To better illustrate this opening, I show what happens in photographs five and six. Photograph five shows the lock in the locked position with the edge of the bolt blocked by the LaGard swingbolt. Photograph six shows the bolt pushed away from the face of the safe door and having bypassed the swingbolt.

There is a procedure for determining the combination of a LaGard lock. Usually there is an access code on the back of the lock itself on a small tag. With this number, the lock can be reset to a 5-5-5-5-5 combination. On this lock, the tag was

missing.

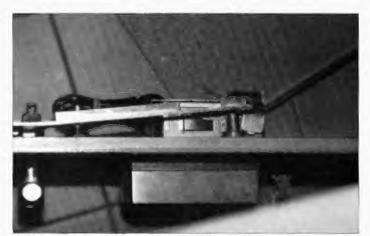
Again, there is a procedure to reset the lock to the 5-5-5-5-5combination, but it requires the shorting of two terminals of the main logic chip. After this was done on this lock (and after changing to "BUNNY" batteries), we reset the combination and put the lower safe back into service. Total time on the site was about one hour. Not bad. With the 8-1/4" reading from the edge of the door, a single door safe opening could be finagled quite easily. With a little inspiration and concept awareness. that is. These safes use many names and some companies just label them, Do not be surprised if you cannot find them in your safe manuals. They are there, just under different names. The name on this safe was CORPORATE out of California.

More on drilling the locks next month. Open Electronically and Prosper!





5. Top view of swingbolt and blocked bolt bar.



Top view showing bar pushed beyond and past locked swingbolt lock. Door is open at this point.











## TAKIN' COVER(AGE)

Insurance and bonding are a necessary and sometimes confusing part of business. Jake helps clarify some of the different types of coverage.

by Jake Jakubuwski

Recently, I was talking to one of my Technitip readers. He wanted to know if his The National Locksmith bond would cover any accidental damage he might do to a customer's property.

The answer is: "No!"

After a brief discussion about the differences between bonds and insurance, Ted said that he thought there were probably a lot of locksmiths like himself who really did not know much about "insurance and such," and maybe I should write an article on the subject.

reimburse you under the terms, and according to the conditions, of the

If they steal from your customer, the bond will not pay off since - as a rule - you cannot bond an employee to a third party. This type of bond is called a Fidelity Bond.

Another type of Fidelity Bond is the bond that we buy through The National Locksmith (In reality, it might more accurately be called a Specialty Liability Policy). That bond, in essence, guarantees that your

convicted in a court of competent jurisdiction.

Conviction The Clause incorporated in a fidelity bond is a standard provision that protects the bonding company from liability in the event of a fraudulent claim.

For protection against breaking valuable lamps, you need a different type of coverage: A Comprehensive General Liability Policy. But, before we get to that, let's look at other types of coverage you might need. Let's say a customer comes into your shop and brings his Great-aunt Martha's steamer trunk to have a key made for the lock. This is the trunk that Aunt Martha took with her when she sailed for Europe in 1922! The customer tells you the trunk "is irreplaceable." You tell the customer he'll have to leave Aunt Martha's trunk and you'll get to it in the morning.

The customer leaves the trunk, and while you're in the back room, someone comes in, spies Aunt Martha's steamer trunk and makes off with it. No doubt about it. You're responsible for the loss. And, when you find out how much it's going to take to assuage your customer's grief over the loss of Aunt Martha's trunk ... you wish you were on an extended cruise to Europe!

The loss of your customer's goods would, most likely, be covered under your Bailees' (Pronounced "bail-ees") policy. A Bailees' policy insures customers property that has been entrusted to your "care, custody and control". The care custody and control would include any customer goods in your possession, whether at your shop, at your home, or in transit.

Bonds are, in effect, insurance policies that cover the losses suffered by an employer through the acts (and only acts against the employer) of, or by, an employee.

I told Ted that there was probably no one, especially me, who really understood insurance and such but was willing to give it a shot.

One thing I do want to clarify is - I am not an insurance or bond expert. But, I felt I might be able to gather enough expert advice for the article to benefit us all - including myself.

That means, you need to consult with your own insurance agent, casualty provider, state insurance commissioner, or the authority having jurisdiction in your area about your insurance needs, since insurance requirements in Milwaukee, Wisconsin, can be dramatically different than in Two Egg. Florida. This article is only an effort to help all of us understand a very complex subject a little better.

In the insurance industry bonds are, in effect, insurance policies that cover the losses suffered by an employer through the acts (and only acts against the employer) of, or by, an employee. In other words, if your employees are bonded to you and steal your trucks, daily receipts or equipment, the bonding company will

customer will be reimbursed up to the limits of the bond's stated amount, in the event "of any loss or damage of property, of merchandise or money incurred through the use of the technical ability of the Bonded Locksmith in the making or use of a duplicate key for illegal purpose, etc."

Note that the bond certificate stipulates that the loss or damage of property is only reimbursed when the damage or loss occurred through the illegal use of your (or your employee's if they are individually bonded) locksmith skills.

A fidelity bond will not cover your customer's antique lamp that was knocked off the table in the fover when the wind blew the door out of your hand. And, in order for the average fidelity bond to pay off at all, the bonded individual must be

A Bailees' policy insures customers property that has been entrusted to your "care, custody and control". The care custody and control would include any customer goods in your possession, whether at your shop, at your home, or in transit,









### Continued from page 124

A Bailees' Policy is most often found as a rider attached to your regular business insurance policy. However, it is a coverage that you most generally have to request. And, it is coverage that you pay extra for, over and above your normal premium.

The next day, you're working on a narrow stile glass door at John's Butcher Shop and you get a call telling you that the local pizza parlor can't get into their safe and they need you right away. No problem. You're nearly finished with John's and you can scoot right over there.

In your haste to finish up, you forget to tighten the cylinder retaining screw in the lock. That night, a thug or thugette comes along, unscrews the cylinder, manipulates the latch and helps themselves to the contents of John's cash register and a side of beef. Unless you have another rider

on your General Liability policy called "Errors and O m issions Insurance" (Professional Liability Policy), you just might not be able to afford to eat any of John's steaks for a while.

Errors and Omissions insurance will not protect you if your workmanship is just plain shoddy - but will cover you in the event that you, or an employee, inadvertently neglect to do something (in error, or by omission) that causes your customer to suffer a loss of merchandise or property. Again, Errors and Omissions premiums are usually over and above your normal premium.

Since you're having a really bad week, there's no reason to expect the pizza parlor job to go well - is there? Sure enough, while you're working on the safe, you lay your flashlight on the floor. A waitperson comes around the counter, steps on your flashlight and, after she comes back to earth, winds up in the emergency room with a twisted back.

Fortunately, your General Liability Policy, which is your basic business policy, covers such mishaps. How much it will cover depends on the limits of your coverage. Keep in mind, that hardly anyone sues for less than a million, or so, anymore.

Also, bear in mind that three

million in coverage does not cost that "much more, on a percentage basis, than one million.

More than likely, additional or higher liability limits than normal would be written as part of an "Excess Indemnity (Umbrella) Policy." The Umbrella Policy provides for increased limits on all of your business policies and riders. That is, the limits of your General Liability, Bailees', Errors and Omissions, etc. would increase to your newer excess limits.

Anyway, when you get back to the shop, Charlie's waiting for you and begins to explain how he was working on a pitcher handle lockset when the wind blew the door out of his hand and knocked this antique lamp off of a table in the foyer ......

You don't get overly hyper because you know that type of accident is also covered by your General Liability Policy.

Errors and Omissions insurance will not protect you

you happened to have a "Tool Floater Policy" as part of your insurance package, you may not be reimbursed for the loss of the tools under the terms of your automotive coverage.

You send Charlie home, send your insurance agent all the details, thank the Powers-That-Be it's Friday, lock up the shop and go home. About 2:30 Saturday morning, the police call to tell you they found the rear door to your shop kicked in (but you have a Property Insurance Policy, which would cover you against burglary).

Was it the following Monday when your insurance agent called to discuss with you the difficulty you might have renewing your policies?

All kidding aside, there's no doubt that insurance is a necessity and being bonded helps promote customer confidence. At only six bucks a year, The National Locksmith's bonding program is a steal. However, it will pay you to shop around when getting

> quotes for your other insurance needs, since rates often vary from company to company.

Check with your local insurance agent for the types of business coverage's that are

right for your business. Remember that almost any policy, or policies, will have a deductible clause. A deductible is the amount of money you have to pay out-of-pocket to satisfy a claim.

As a rule, the higher the deductible (the amount your willing to pay), the lower the premiums may be. The reason - Having a higher then normal deductible eliminates the insurance company having to pay for a lot of relatively minor damage to your customers premises and antique lamps.

Also bear in mind, that each type of insurance you might consider will very likely contain specific exclusions, waivers, limits, and liability clauses that will define the parameters of the coverage you will have in force at any given time. You need to know about and understand all aspects of the policy, and it's riders, to make an intelligent decision when purchasing adequate, cost effective, insurance for your business. So, don't be shy - ask questions before taking any coverage.

After all, what do you have to lose?.

if your workmanship is just plain shoddy - but will cover you in the event that you, or an employee, inadvertently neglect to do something (in error, or by omission) that causes your customer to suffer a loss of merchandise or property.

That's when you notice Charlie has some bruises on his face and his arm in a sling. When you asked him what happened, he gives you the other barrel.

After knocking the lamp over, he tried to help the customer pick up the pieces. He slipped, and a shard of glass went into the palm of his hand (No problem: Your Workmen's Compensation Policy will take care of it)

Charlie got pretty rattled when he saw all the blood, and jumped in your van to go to the emergency room (he was in the room next to the pizza parlor employee). The trouble was, Charlie was bleeding badly from the cut on his hand and got blood all over the steering wheel. When he tried to turn onto the highway, the wheel slipped in his hand and he slammed into a utility pole across the street. Oh, well, that's what you've got an Automotive Policy for, Right?

Unfortunately, your van was towed away and some of the tools and equipment wound up missing. Unless

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## BUSINESS BRIEFS

### News from the Locksmithing Industry

Briggs & Stratton Technologies (B&ST), the largest manufacturers of locks and keys for domestic auto makers, receives GM's 1994 Worldwide Supplier Award, and distinguishes itself as a top supplier. B&ST also won Chrysler's coveted Platinum Pentastar Award last December. Both awards are given for high levels of performance in product quality, just-in-time delivery, service and achievement of aggressive cost reduction targets.



All together, North American caretakers honored more than 400 suppliers, but just 17 companies, including Briggs & Stratton Technologies, were on more than one list

Individual companies earn the awards by exceeding the auto maker's strict standards. Paul Glatzel, Manager of Quality at B&ST, credits their success in meeting customer requirements to the multi-disciplinary team approach which includes customers through every stage of product development and manufacturing.

The same high-quality products specified as original equipment are available as replacement parts for autos, RVs and trucks through a network of authorized distributors. The company also provides detailed product manuals and extensive training to locksmiths,

Delta Controls has added two new firms to its network of sales representatives. Electro Marketing will be covering: the entire state of New Jersey; southeastern New York, including New York City and Long Island as well as the area bounded on the north by and including Sullivan, Ulster and Dutchess counties; and eastern Pennsylvania, Bounded on the west by and including Potter, Clinton, Center and Huntington counties. Customers may contact Sam Stone of Electro Marketing by calling 908-232-7531 or faxing 908-232-7557.

Whitaker Associates has been appointed as Delta Controls' sales rep for Virginia, Maryland, Delaware and Washington D.C. Frank Begovitch will be handling sales for Delta Controls from his firm's office located at 4501 Lantern Place, Alexandria, VA 22306. Whitaker Associates' phone number at this location is 703-768-5025, and its fax number is 703-768-5047

To celebrate the marketing of six new adjustable and rim type strikes, Trine Products Company ran a three-day contest at ALOA with cash prizes for the winners. The happy first place winners were Jerry Holdreth of Yuba Safe & Lock, Yuba City, CA., Bill Byrd, CML, of Bell Security & Lock Service, Falls Church, VA., and David Dalby of Trans-Alarm, Burnsville, MN.

Vindicator Corporation has been notified by the Underwriters Laboratories that the Vindicator Lock has been approved as a High Security Electronic Lock under its subject 2058 for safes requiring a Group II type lock. This is the first time the Underwriters Laboratories has approved an electronic safe controller that utilizes a 2-step access method.

Corbin Russwin Architectural Hardware is pleased to announce the expansion of its national direct factory sales force, with the appointment of three new sales representatives in the month of September.

Larry Niedt,
A.H.C.. has
been added to
the Metro New
York region,
with 17 years
experience in
many facets of
architectural
hardware sales,
including the



Larry Niedt



David Peters

wholesale, retail, and distributor arenas. David Peters, who has over 15 years experience, joins the Western region, covering Northern Texas, Northern Loui-

siana, and Western Arkansas.

Jim St. Pierre,
A.H.C., has been appointed to the Southern California area.

Jim has worked for 20 years in the door, frame, and hardware industry in



Jim St. Pierre

many capacities, including branch management.

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## LIGHTER SIDE

### The Joke's On Who?

"Can you make a key for this?" Familiar words, this time uttered by a middle-aged man in work clothes. He held in his hand an automotive ignition switch, quite old and a bit battered.



by Sara Probasco

"I had a heckuva time getting the dang thing out," he added a bit apologetically as he watched me turn it this way and that.

"What make and model is the vehicle?" I asked.

"It's a GM. I'm not sure of the year," he replied. "We bought it used, for the ranch."

"Mmmm," I said, giving it the old eagle-eye scrutiny, "I feel sure we can help you, but you'll have to pick it up later this afternoon. We have several jobs ahead of you, already."

"No problem," he replied, smiling.
"I'll just be glad to get a key for it,
period. We've tried about everything,
and nothing's worked, so far."

I assured him we would do our best to get a key made for him, and I sent him on his way.

He returned before anyone had gotten to it.

Dave stopped what he was doing to wait on the man. Picking up the ignition, he read the code and proceeded to look it up in our crossreference manual.

Let me tell you a little something about Dave.

In years past, Dave was a career man in the Marines. For many years during that twenty-year span of his life, he was part of an undercover team that spent their time trying to breech security. Simplistically speaking, their official assignment was to break into locked rooms, open locked file cabinets and safes, or otherwise attempt to gain access to top secret areas, just to see if it could be done. If they were successful, the higher-ups knew they had a security problem, and sought to correct it.

During this time, Dave was required to make his own lock-picking tools and perfect the skill of using them. He also learned intricacies of various locks. Furthermore, he had to rely upon his own ingenuity to figure out ways of getting into places. As you may imagine, these experiences have contributed greatly to his success as a locksmith.

"This can't be right," Dave said, scratching his head in puzzlement. "The code shows this to be a door lock, not an ignition." Retrieving a secondary key from the board, he found it slipped easily into the keyway. Suddenly. Dave's face brightened. "Aha!" he said. "I'll bet the ignition works on the door key. This must be a fleet vehicle," he said.

Now for those of us not familiar with fleet vehicles, sometimes large companies, such as Coca Cola, purchase several vehicles at once and specify that one key must fit doors and ignitions on all the vehicles. That way, an employee can be issued a single key that will operate all of those vehicles, rather than having keys to only one vehicle.

Dave turned to the customer, "Do you have a door key for this vehicle?" he asked.

"Sure," the man replied, fishing into his pants pocket.

Dave took the key from him, slipped it into the lock, and turned it. "There you go," he said, handing the lock back to the man. "One ignition key. No charge,"

The fellow's mouth opened, then snapped shut. He turned his key back and forth in the ignition. "Well, I'll be," he muttered. "You mean to tell me, after all we went through, I had the key in my pocket all the time? Man, don't tell my buddy. He'll kill me." He tipped his head to indicate the man waiting for him in a pick-up truck at the curb.

"We tried every ignition key we could get our hands on, in hopes somebody out there at the ranch might have the right one," the man confessed. "We took half the steering mechanism apart, trying to hot-wire the danged thing. We even tried towing the so-and-so, but it locked up and wouldn't follow. I can't tell you how many hours we spent on this thing, and now you tell me I had the key in my pocket all the time? Hooboy, he'll kill me, if he ever finds out."

"Only your locksmith knows for sure; we won't squeal if you won't," Dave said, chuckling.

As the customer left, shaking his head and smiling, Don walked up to the front counter, searching the shelves.

"Can I help you find something Dave asked.

"I'm looking for the portable phone," Don replied. "I thought I had it back in the stock room, but I can't find it anywhere. Punch the intercom button on the base, and I'll go back there and listen for the signal."

When Don had reached the stock room, Dave pressed the intercom button. Nothing happened.

"Can you hear anything?" Dave called to him.

"Not a squawk," Don replied. "I can't understand it. I had the thing, just a little while ago. It's got to be here someplace."

About that time, another employee came hurrying up the hall from the rest room, tucking in his shirttail. Clutched in his hand was the portable phone.

"Was somebody paging me?" he asked, indicating the cordless telephone. "This was lying beside the lavatory. There I was, minding my own business, when this thing started beeping and scared me half to death. At first, I thought maybe I had set off the smoke alarm."

"I didn't know you smoked," Don said.

"I don't. That's what had me worried."

"Well," Don said, laughing, "I guess, if you want peace and quiet, you'll just have to ask Santa for a phoneless chord for Christmas."

Ho, ho, ho!



## TECHNITIPS

Helpful hints from fellow locksmiths

Send in your tips and win.

### **HOW TO ENTER**

Simply send in your tip about how to do any aspect of locksmithing. Certainly, you



by Jake Jakubuwski

have a favorite way of doing things that you'd like to share with other locksmiths. Write your tip down and send it to: Jake Jakubuwski, Technitips Editor, The National Locksmith, 1533 Burgundy Parkway, Streamwood, IL 60107. Remember, tips submitted to other industry publications will not be eligible. So get busy and send in your tips today. You may win cash or merchandise. At the end of the year, we choose winners for many major prizes. Wouldn't you like to be a prizewinner in 1994? Enter today! It's easier than you think.

### **BEST TIP OF THE MONTH**

If your tip is chosen as the best tip of the month, you'll win \$50 in cash! Plus, you may win one of the large year end prizes!

### **EVERY TIP PUBLISHED WINS**

Yes, every tip published wins a prize. If your tip is printed, you'll win \$25 in Locksmith Bucks. You can use these bucks to purchase any books or merchandise from *The National Locksmith*. Plus, every tip published will win a copy of the Technitip Handbook.

### These Prizes Awarded Each Month!

- All-Lock A 7000 VATS Decoder
- HPC Pistolpick
- Silca Rubberhead Keyblanks (100 Blanks)
- •ESP PR-13 Professional Lock Pick Set
- Sieveking Products EZ-Pull GM Wheel Puller
- Technitips Handbook

Submit your tip and win!

O.K! Here's the last Technitips column of 1994!

That's good, because it means that next month I get to announce the 1994 winners of the year-end prizes! And, what winners they will be! We're giving away key machines, code machines, cash, code books and more!

And, we're giving those great prizes to locksmiths that took the time to send in a Technitip! Not every tip that I receive gets printed, and not every tip that is printed will win a great year-end prize. But! Every tip that I print automatically qualifies the tipster to be eligible for a BIG year-end prize.

However, if you don't send me a tip, there's no chance I'll print it. If I don't print it ... you can't win a prize. Remember, every tip I print during the year wins a prize! So, keep them cards and letters coming folks!

I want to thank each locksmith that sent me a tip this year. Each of you helped make the 1994 Technitip column a success. And, finally, I want to wish you all: "Happy Holidays and a prosperous New Year!

December's Tip Of The Month Save Scraped Knuckles

Most of us have experienced scraped knuckles and cut arms trying to get our hands inside the door panels of some foreign cars when we drop a retaining bolt, screw or clip while servicing the locks.

Here's a little tip that will keep you from fishing around blindly trying to find a dropped door handle retaining nut (or bolt) in the door panel of foreign cars (Or, full-sized Chevy and GMC pickup trucks).

When you remove the inside door panel to gain access to the door handle, you will generally find a heavy paper or plastic dust barrier. This barrier is held in place by a bead of adhesive along it's edge.

When you pull the barrier down, remove a small amount of the adhesive and put it around the inside edge of your 10mm socket. The adhesive will keep the bolt or nut from dropping out of the socket after you have loosened it, and while you are removing it from the door panel. When necessary, the adhesive can be cleaned out of your socket with a small bladed screw driver, or by dipping it in solvent.

That small amount of adhesive on your socket, also helps to keep the nut in place when you are trying to start the nut while re-assembling the mechanism.

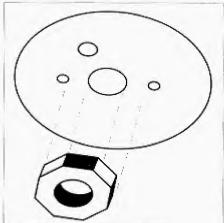
> Dan Campbell, N. Carolina

All-Lock Decoder Winner

### **MATS Column Service Tool**

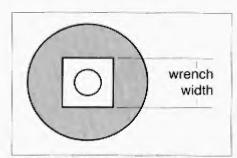
Here's a simple tool that can be made for next to nothing to remove the GM steering column locks that use the MATS anti-theft system. The tool is made from the center hub of any General Motors steering wheel.

First, obtain the hub from a GM steering wheel. Then find the appropriate sized nut (I selected a nut the size of my socket that fits the spline nut of a Volkswagen; since it's a size already found in my tool kit).



1. Weld nut to hub.

Next, remove the inside threads from the nut (either on a drill press or have it machined smooth) and weld the nut over the shaft hole of the hub. (See illustration 1.) If you do not have the ability to weld, you can use a hacksaw to cut away enough of the hub to create a square shape that would allow the use of a Crescent wrench. (See illustration 2.)



Cut shaded area to make hub square.

If you elect to use the hacksaw method, the tool will be square instead of round, but will work just as well. To use the tool:

Remove the steering wheel in the normal manner.

Slide the tool onto the steering

column shaft with the tool alignment mark matching the alignment mark on the shaft.

Use a small flat screwdriver to depress the locking

bar.

Rotate the tool until the alignment mark is at about the 6:30 position.

Remove the 2 Torx screws.

Remove the tool.

Remove the upper part of the MATS plate.

Now you can use your regular lock plate compression tool and continue the disassembly in the normal manner.

> Norman Schamp, Jr. California

HPC Pistol Pick Winner

### Vertical Rod Repair

I was called to adjust the lock on a narrow-stile store front door that had a Dor-O-Matic concealed, vertical rod exit device on it. The key would not turn a full 360° and allow the customer to dog the panic bar in the open position.

I tried turning the geared rectangular piece every way it would go, and moving the small gear which contacts the lock's tail-piece. (See illustration 3.)

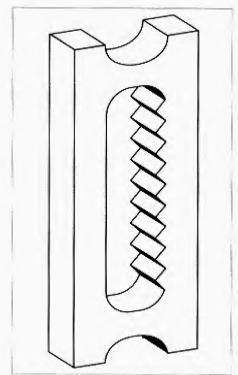
If I changed it one tooth, the key would come out in the dogged down position, but would not turn quite far enough in the opposite direction to be placed in the undogged or locked position.

Not being able to solve the problem at the retractor, I decided to go farther into the unit, I took the retractor, the traveler assembly, the "C" clip that held the traveler assembly to the upper rod, and pinion assembly out of the unit.

Going to the top of the door, I removed the two Phillips head screws on the latch-side face of the door, which freed the Top Latch Assembly (Part #PB130) and allowed me to pull it, along with the rod, out of the door.

I loosened the jam-nut at the bottom of the Rod Connector and screwed the connector two complete turns further down on the rod. This (when everything was re-assembled) would raise the Traveler Assembly slightly and reposition the Retractor.

Being careful not to drop the Top Latch Assembly into the vertical rail of the door frame, I replaced the two



3. Dor-O-Matic retractor (#PB-35) found on 1990 series concealed vertical rod device.

screws that held it in place, installed the Pinion Assembly, reattached the Rod to the Traveler Assembly with the "C" clip, then re-installed the retractor and cover.

When I tried the key, it worked perfectly. Maybe my experience will help the next locksmith that runs into a similar problem with one of these units.

> Billy Jackson Texas

Silca Rubber Head Key Blanks Winner Impressioning Ford 5-Cut

When impressioning the older Ford vehicle with a standard 5-pin cylinder (using the H51 blank), I have found that using an H60 blank makes the job go easier.

Since the center portion of the H60 blank is narrower then that of the H51 blank, you can get more up and down movement with the H60 blank. With the increased movement, you increase your chances of getting sharper impression marks.

Keep in mind that on an H60 blank, a number one cut is the full width of the blade and consequently may not mark on a number one pin.

Michael L. Nappi, CRL

ESP Pick Set Winner

### **Mercedes Opening**

I would like to put forth this tip Continued on page 148

### Continued from page 146

regarding the new Mercedes "C" class range of cars. Particularly when the key is locked in the boot (The trunk as you call it). First, you must gain access to the interior of the car which is often locked.

I suggest that to open the car, you come through the top corner door frame by wedging the door open and inserting one of the current car tools onto the inside door handle to release the door.

Having gained access to the interior of the vehicle, proceed to remove the First Aid kit which is situated on the rear parcel shelf at the back of the rear seats. Having removed the First Aid kit (which unscrews quite easily), one or two holes will be exposed, one is approximately 3" to 4" square and will allow you plenty of room to maneuver a light source, a mirror - if needed - and some sort of wire, with a hook to retrieve the keys locked in the boot.

A problem can occur if the boot is loaded with boxes or suitcases which will make latching onto the keys difficult. However, most people put the keys down on top of a case or the floor of the boot which means that it should only be a matter of time and bending the wire to snag the keys.

Otherwise, the other alternative would be to drill the boot lock out. I can't think of any other feasible way of dealing with the situation if the boot is in the deadlocked position.

G. Watts London

### GM Wheel Puller Winner

### Removing Silverado Door Lock

I just had my first experience rekeying a door lock on a 1988 Chevrolet Silverado pick-up truck. Although, I got the job done for the customer, I thought I was going to lose a couple of fingers and have to buy a new window for the truck before the job was complete.

First, I removed the inside door panel, only to find that this model truck has a second, inner, panel that I had to remove to gain access to the lock cylinder. When I removed the screws holding the inner panel to the door, I pulled the panel out - only to have the panel, window, window regulator and drive motor start sliding downward!

Trying to stop the whole mess from

hitting the ground is where I thought I'd lose a couple of fingers. My hands were sweaty and the edges of the door panel are very sharp.

At any rate, I managed to get the panel, etc., back in its proper position and replaced a couple of screws to hold it there until I figured out how to keep it from falling to the ground.

Sitting in my putting truck, Band-Aids on my two cut fingers I got an idea. I got some paper towels and a toll of duct tape from my van and tapped the window in place. First, I put paper towels over the top of the door to protect the finish from the tape, then I ran duct tape from about 12" down on the inside of the window, up over the door frame, and about 12" down the outside window,

I used three pieces of tape that way, which held the window, etc., secure when I took the screws back out of the inner panel. This allowed me to pull the panel out far enough to work (And, work it was!) at getting the lock cylinder out of the door handle.

If there's an easier way to work on these locks I'd sure like to know about

James Overton Arkansas

Technitips Handbook Winners

### Quick Key Kit

Here's a little tip that has helped me organize and make my rekeying jobs go smoother.

I have found that keys will fit very nicely into prescription medicine bottles (ideally, they should be 2-3/4" long, and 1" in diameter).

I just put the precut keys and the proper pins in the bottle, label them, and put them in a four drawer tackle box. I have also purchased a few tenspace organizers and made mini pin kits out of them, that also go into my tackle box.

To complete the kit, I add any tools I want and might need to service the more common locks that I re-key the most

> Rodger Long Illinois

### Easy Shimming Technique

This tip is so obvious I wonder why I never thought of it before. When using a shim to pick a lock like a Yale 8 (Y-1) cylinder, it is sometimes very difficult to get the pick into the curved keyway and manipulate the pins. I have found, that almost without exception, that by using an uncut blank as the pick, the picking process is fast and easy.

There is no manipulation around the curves of the keyway since the blank will raise the pins completely. A simple in and out motion of the blank will allow the shim to find the shear line.

I have used this method on other cylinders as well and find it faster than using a conventional pick.

> Larry Kanzer Pennsylvania



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## BITS & PIECES

### Informative Tidbits for the Security Industry

ocksmiths from the Washington, DC area joined Detective J.J. Bittenbinder, one of America's leading crime prevention experts, on the U.S. Capitol Mall to officially launch the Free Home Secur-



Tom Seroogy

ity Check-Up program for homeowners nationwide. The event symbolized the industry wide commitment to the Check-Up program and demonstrated that locksmiths have moved to the front lines in America's war on crime.

The Check-up was developed by the Security Professional Council, an industry task force committee comprised of locksmiths, lock distributors and manufacturers, to help locksmiths build business and position them as the primary source of security products and services. To find out more about the Check-Up program and to sign up to participate, locksmiths can call 800-771-2562. (See photograph below.)

Word came in from The National Locksmith technical editor Jake Jakubuwski that AAA is offering car opening classes to their associated tow companies. Kits provided by the Automotive Lock Institute are then being sold for \$25.

Jake also informs us that Ford dealers have been instructed by the Ford Motor Corp. to no longer call locksmiths to open customers' cars who have purchased a 1994 or later model. These calls are being referred directly through a new Ford Quality Assurance Roadside Assistance program.

Speaking with Ford Representative Jim Herst, Jake hopes to find what criteria need to be met for locksmiths to be put on the list of Roadside Assistance Vendors for Ford.

Some new code cards are available from HPC for their 1200 code machines.

C101 LSDA "LSA" Keyway CMC51A Kawasaki 7-Cut (A. B Series)

	Series)
CF302	Hyundai 8-Cut (S, T Series)
CF303	Ford Aspire (Kia) 10-Cut (B
	Series)
CF215	General Motors '94+
CF211	Hyundai Sonata
CF209	Toyota Corolla Station
	Wagon
CPKS2	Kaba Peaks 150

Kia/Hyundai 7-Cut (X. Y

CF301

CPKS1

CX6A

Emhart/Corbin/Russwin Contact your local HPC distributor for more information on the rest of the HPC code card series,

Kaba Peaks 140

In the October 1994 Bits & Pieces, a new Foreign Lock Pawl and Clip Service Kit by All-Lock was listed as being part A6940. The actual part number for this kit, however is, A6950. This kit contains various clips and pawls for 1977 to 1990 Toyotas, 1980 to 1989 Hondas and 1974 to 1991 Nissans .

Detec Security Systems announces its new catalog on a family of Mr. Chime Security Products. Please call for your complimentary copy, 800-9-MR-CHIME.

In The National Locksmith Bits & Pieces, December, 1993, we got wind that GM was adding a letter designation to their key codes. This letter designation is a new coding system for identifying the VATS/PASS value of the ignition key and has been used exclusively on Cutlass Supreme, starting in 1994. This system has now been extended to use on the Oldsmobile Aurora. Following are the PASS key resistance numbers and their corresponding codes.

#2=CN, #3=FW, #4=GP, #5=KA, #6-N5, #7-UN, #8-XB, #9-GA, #10=NP, #11=FY, #12=C5, #13=XY, #14=KB, #15=UW,



 Area locksmiths gather with Detective J.J. Bittenbinder on the U.S. Capitol Mall to launch the Free Home Security Check-Up program.

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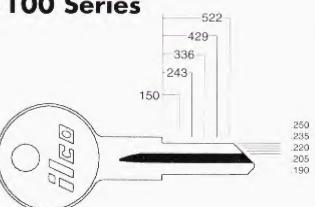
# KEY CODES



HPC 1200 CM Code Card - C4 Cutter - CW1011 Stop - Shoulder Eramon

Cut start - .150"
Cut to cut - .093", Specing Block #1
Cutter - F08445

Stop - Shoulder



**Key Profiles** 



3

1098XO

H601	15511	H633	15513	H665	11513	H698	51531	H731	31311	H764	35113	
H602	13151	H634	51335	H666	11331	H699	31155	H732	33551	H765	33153	
H603	31131	H635	31553	H667	51113	H700	13515	H733	51355	H766	53351	
H604	35351	H636	31313	H668	51551	H701	51513	H734	31331	H767	53535	
H605	13113	H637	31135	H669	33531	H702	51311	H735	35511	H768	35553	
H606	15353	H638	11311	H670	15153	H703	13311	H736	35153	H769	35133	
H607	11131	H639	13331	H671	11535	H704	15333	H737	53311	H770	33315	
H608	15115	H640	15315	H672	15133	H705	15551	H738	53355	H771	33155	
H609	33151	H641	13513	H673	13353	H706	53115	H739	51315	H772	35313	
H610	31531	H642	51515	H674	11533	H707	51533	H740	35111	H773	55311	
H611	11315	H643	51111	H675	11313	H708	31153	H741	53511	H774	33115	
H612	15151	H644	13131	H676	51133	H709	13153	H742	53151	H775	55353	
H613	15553	H645	15155	H677	31111	H710	15335	H743	31315	H776	33313	
H614	31513	H646	51511	H678	31355	H711	31113	H744	31551	H777	53331	
H615	33113	H647	31333	H679	15131	H712	15533	H745	33513	H778	53555	
H616	13315	H648	31535	H680	15313	H713	53131	H746	35115	H779	55313	
H617	11511	H649	13531	H681	13511	H714	51353	H747	33553	H780	55511	
H618	11151	H650	13111	H682	31133	H715	13553	H748	51333	H781	53315	
H619	51155	H651	13155	H683	31115	H716	15331	H749	53155	H782	35131	
H620	53554	H652	11351	H684	33111	H717	53135	H750	55135	H783	55115	
H621	53113	H653	51131	H685	15135	H718	13535	H751	31335	H784	35551	
H622	13135	H654	15113	H686	15531	H719	31351	H752	31555	H785	53333	
H623	11551	H655	15355	H687	11553	H720	51515	H753	53313	H786	33511	
H624	51115	H656	13351	H688	13115	H721	33311	H754	35151	H787	35335	
H625	15535	H657	31511	H689	15311	H722	33515	H755	35355	H788	53353	
H626	51151	H658	31151	H690	15515	H723	51351	H756	31353	H789	35135	
H627	11153	H659	51153	H691	33131	H724	53133	H757	33353	H790	53513	
H628	13133	H660	51535	H692	51135	H725	33351	H758	33133	H791	35353	
H629	51555	H661	33135	H693	51553	H726	31515	H759	55111	H792	55551	
H630	15351	H662	13551	H694	53111	H727	51331	H760	55515	H793	55133	
H631	13533	H663	11531	H695	53515	H728	33331	H761	53153	H794	53533	
H632	11515	H664	15111	H696	11353	H729	33533	H762	55113	H795	35331	
				H697	13313	H730	31533	H763	35515	H796	55553	

















### Loxem H601-1100 Series

				ПС	VI	- 1 1 00	3e	ries				
)	H797	53335	H848	51224	H899	44122	H950	22415	H1001		H1052	
	H798	35155	H849	15242	H900	44342	H951	42251	H1002	14154	H1053	14332
	H799	33535	H850	53224	H901	42324	H952	24235	H1003	32112	H1054	54352
	H800	35311	H851	15244	H902	42544	H953	44451	H1004	12534	H1055	54514
	H801	35513	H852	51222	H903	24124	H954	24415	H1005	14112	H1056	52314
	H802	53531	H853	31244	H904	44322	H955	22411	H1006	14532	H1057	52132
	H803	55131	H854	33422	H905	42344	H956	42431	H1007	54552	H1058	54532
	H804	35315	H855	35242	H906	42524	H957	24251	H1008	54134	H1059	54314
	H805	55533	H856	15224	H907	24322	H958	44255	H1009	34512	H1060	52154
	H806	53553	H857	35442	H908	44124	H959	42411	H1010	32132	H1061	54334
	H807	55151	H858	31422	H909	24142	H960	44215	H1011	52354	H1062	21521
	H808	55513	H859	51244	H910	42122	H961	24255	H1012	34114	H1063	43525
	H809	35333	H860	15422	H911	44142	H962	42415	H1013	54132	H1064	41121
	H810	55155	H861	51444	H912	24324	H963	44213	H1014	32152	H1065	25323
	H811	55335	H862	31224	H913	42342	H964	24431	H1015	52554	H1066	23543
	H812	55535	H863	15442	H914	42522	H965	44253	H1016	34352	H1067	45524
	H813	55153	H864	35422	H915	24342	H966	42451	H1017	14534	H1068	25521
	H814	35533	H865	51424	H916	42322	H967	24453	H1018	32312	H1069	21341
	H815	55315	H866	53422	H917	22231	H968	44231	H1019	32134	H1070	41545
	H816	55333	H867	55242	H918	44453	H969	42435	H1020	14152	H1071	23521
	H817	55531	H868	35224	H919	44233	H970	24451	H1021	32512	H1072	45543
	H818	55351	H869	55424	H920	22453	H971	44235	H1022	34112	H1073	43123
	H819	55331	H870	51422	H921	42233	H972	42453	H1023	54534	H1074	23145
,	H820	35535	H871	53242	H922	44415	H973	42413	H1024		H1075	
)	H821	55355	H872	51442	H923	24413	H974	12152	H1025		H1076	
	H822	35531	H873	31424	H924	24211	H975	34552	H1026		H1077	
	H823	11242	H874	33242	H925	22413	H976	32532	H1027		H1078	
	H824	13424	H875	53444	H926	42211	H977	12514	H1028		H1079	
	H825	31442	H876	55422	H927	44251	H978	14352	H1029		H1080	
	H826	51242	H877	53424	H928	22253	H979	12312	H1030		H1081	
	H827	31222	H878	55224	H929	24215	H980	52134	H1031		H1082	
	H828	53244	H879	55442	H930	42231	H981	54112	H1032		H1083	
	H829	15424	H880	22142	H931	44211	H982	14552	H1033		H1084	
	H830	13242	H881	44542	H932	22451	H983	32114	H1034		H1085	
	H831	11422	H882	22542	H933	24233	H984	54152	H1035		H1086	
	H832	35424	H883	24122	H934	42213	H985	34514	H1036		H1087	
	H833	13442	H884	42144	H935	42455	H986	14132	H1037		H1088	
	H834	35222	H885	44324	H936	44411	H987	12352		14312	H1089	
	H835	31242	H886	22342	H937	24253	H988	52312	H1039	52352	H1090	
	H836	11424	H887	24524	H938	42255	H989	32514	H1040		H1091	
	H837	13422	H888	22522	H939	22431	H990	14515	H1041		H1092	
	H838	53222	H889	44144	H940	44413	H991	34132	H1042		H1093	
	H839	55244	H890	24542	H941	42251	H992	32552	H1043		H1094	
	H840	33422	H891	42142	H942	22251	H993	12314	H1044		H1095	
	H841	31444	H892	22524	H943	24411	H994	14114	H1045		H1096	
	H842	11442	H893	44522	H944	42215	H995	34332	H1046		H1097	
	H843	15222	H894	42124	H945	24231	H996	32352		54312	H1098	
1	H844	33442	H895	24144	H946	42433	H997	14134	H1048		H1099	
-	H845	35244	H896	24522	H947	44431	H998	12512	H1049		H1100	
	H846	55222	H897	44524	H948	24213	H999	14514	H1050			
	H847	53442	H898	42542	H949	42235		32534	H1051			A
		30			7 10 10							

















## TEST DRIVE



Taking Industry Products for a Spin Around the Block

### A-1's Pak-A-Punch

PRODUCT: Pak-A-Punch, Model 3 key machine and PAK-G1 Quickchange kit by A-1 Security Manufacturing Corp. The suggested cost of the Model 3, part #PAK-3, is \$299.50, the PAK-G1 kit is \$84.75 and requires the use of the PAK-90T 90° truncated punch at \$52.50. The Pak-A-Punch and its accessories are available through A-1 Security Manufacturing distributors and prices may vary. (See photograph at right.)

PRODUCT DESCRIPTION: The Model 3 is a hand held automotive key cutting machine that offers interchangeable punches, dies and vises for cutting both foreign and domestic automotive keys.

Designed in a hand-grip fashion, the unit allows for easy, well controlled cutting of most automotive keys. No electricity is required for operation. Quickchange kits are available for cutting keys to a variety of autos and are quickly and easily changed in the field.

A nice side feature of this machine is its ability to be converted for cutting Schlage keyways using the PK3-CV1 conversion kit for Schlage, costing around \$172. The kit includes the appropriate punch, die, depth knob and vise assembly.

FRIENDLINESS: The Pak-A-Punch is extremely easy to use. Simply attach the correct vise and depth knob, make sure the correct punch is being used, mount the key to the vise and start cutting. That's all.

The most difficult part to operating this tool is changing the punch. Even this procedure only requires the removal of the actuator handle (held in by a single pivot screw) and one flat head screw on the bottom of the unit. Changing the punch requires the use of an Allen wrench (provided) and about five minutes time.

Replacing a die involves removing

and replacing two Allen head screws (wrench provided).

FEATURES: The body of the Model 3 is made of aluminum, making for a light weight and sleek machine. Combined with formed handle grips, the unit affords the locksmith continuous, unfatigued cutting.

The PAK-G1 kit sent for this test drive includes the depth knob, #PK-3-525, and vises for the standard GM single sided key, #PK-3-G01, and another vise for the new GM 10-Cut key, #PK-3-G14.

Each of the vises come stamped with their part number and index lines for indicating the space being cut on the key. The bottom edge of the vise is broached with spacing detents. A spring pressured ball bearing rides this edge of the vise to make solid positioning for each space being cut. The top edge of the vise is toothed to accept the geared spacing knob.

Eighteen Quickchange kits are currently available for cutting keys to most domestic and import vehicles including current GM, Ford, Chrysler, Toyota, Geo, Hyundai, Mitsubishi, Isuzu, and Suzuki. Honda and Nissan are to be released soon.





A-1 Security Manufacturing's Pak-A-Punch Model 3.

### COMMENTS AND SUGGESTIONS:

The Pak-A-Punch Model 3 cut smoothly and easily. The cuts produced on the key were square and accurate, a difficult feat for any compact shearing process. Spacing and depth were well within accepted tolerances, and keys operated their respective locks without flaw.

Two minor suggestions can be made, none affect the operation of the machine. First, depth knob replacement can be made somewhat easier by exchanging the slotted mounting screw with a thumb turn. While our unit was not equipped as such, newer units will include a knurled knob for easier installation. We look forward to the change.

Second, a helpful feature of each Quickchange kit is having each kit marked with the vise and depth knob contents as well as the application. An added feature that may be nice is to include the vise and depth knob part number for each manufacturer, model and code series included on the application guide. This will help the locksmith more clearly identify those parts he needs for a particular car on which he is working and allows easier inventory of equipment based on application.

CONCLUSION: When performing auto key service, having a versatile, accurate key cutting machine that does not require electricity is almost essential. The Pak-A-Punch Model 3 easily exceeds all the necessary requirements for providing fast and effective key cutting on the road. With its ability to be converted to commercial key cutting, the potential for this machine is overwhelming. For any locksmith, this is one smart buy.

